



System schematics for aroTHERM plus

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Bespoke schematic request



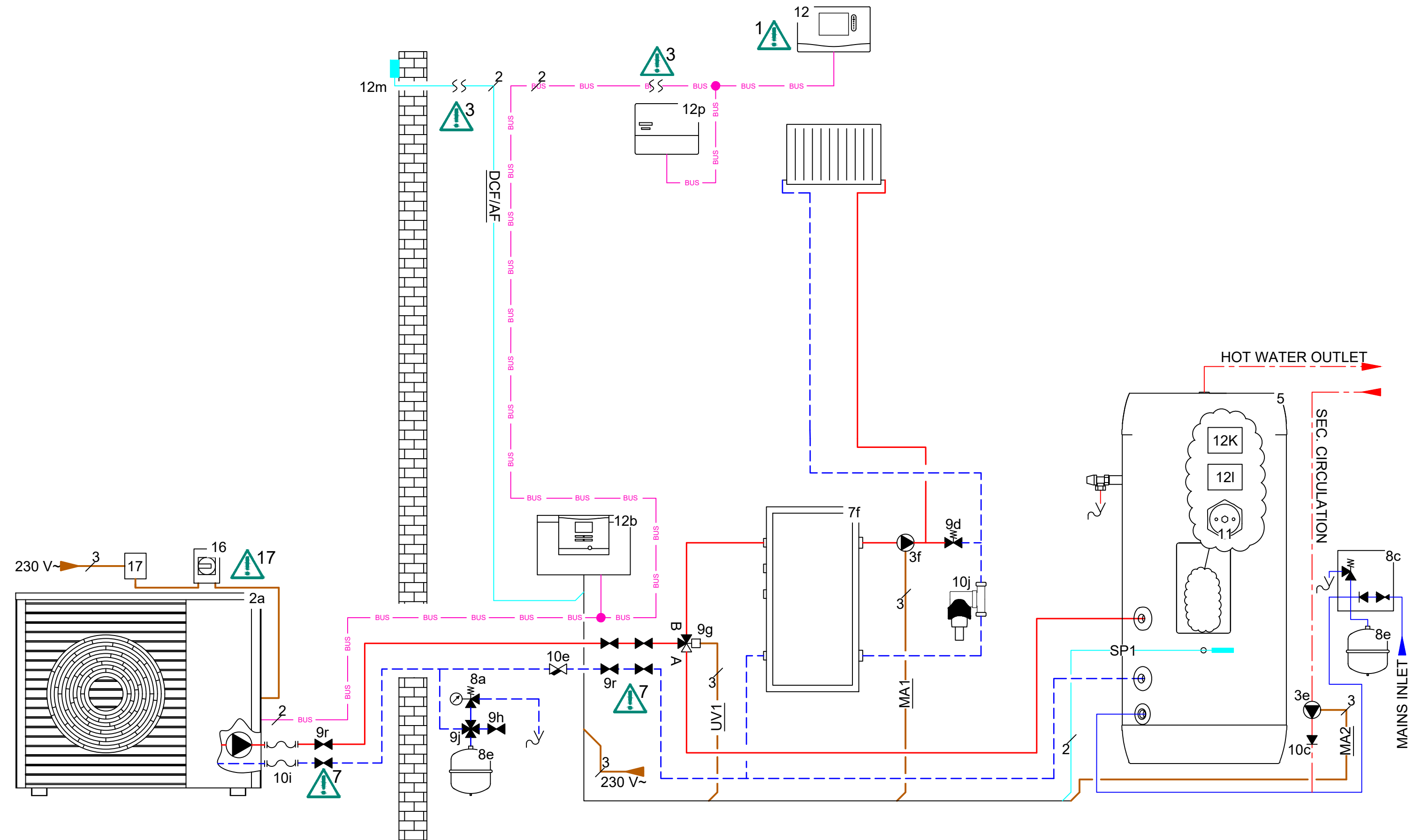
30110-1011



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless.
- 7. Optional for Heat Meters.

17. Rotary Isolator must be situated outside of the Protective Zone.



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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Buffer (45/100L)

HTG. Circuit(s): 1x Radiator - Direct ,

24/10/2022

REV: C

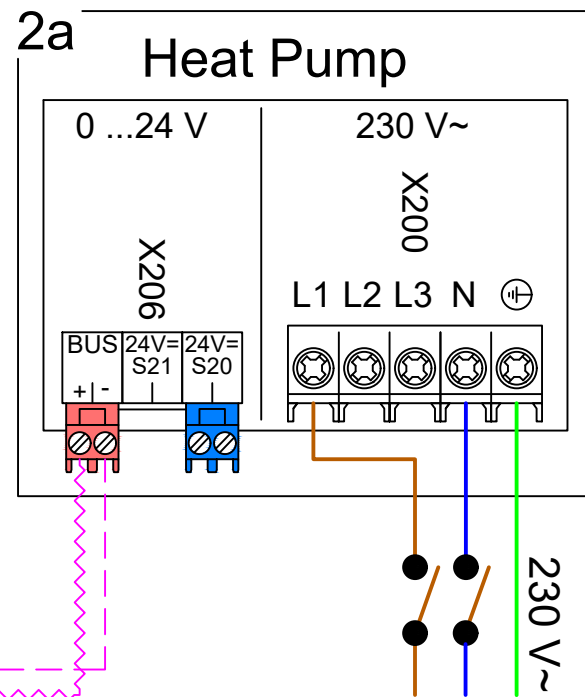
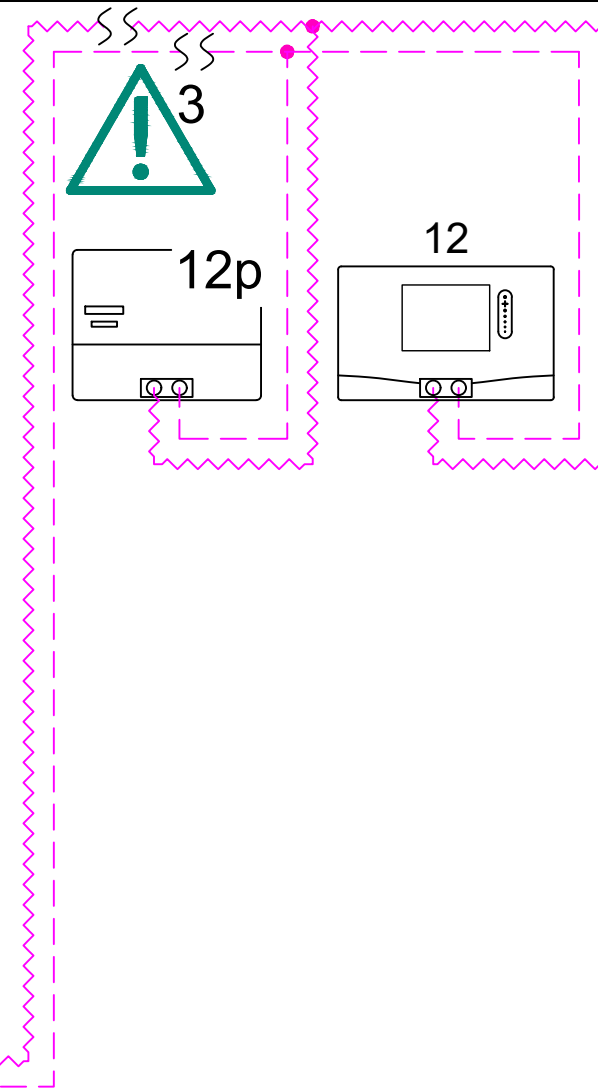
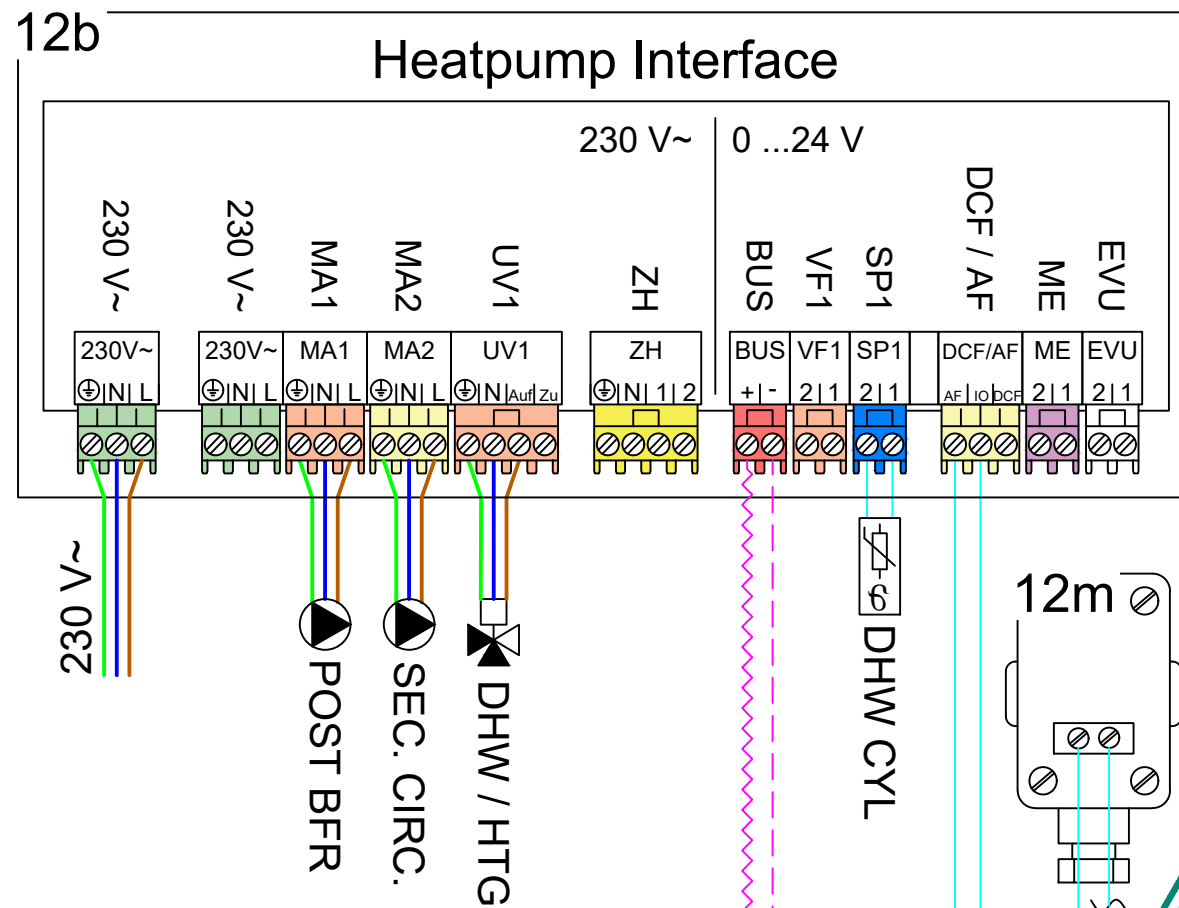
Control(s): sensoCOMFORT

Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 3. Controls and outdoor sensor can be wired or wireless.
 7. Optional for Heat Meters.

17. Rotary Isolator must be situated outside of the Protective Zone.



30110-1011

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- 02 aroTHERM Monoblock
- 03e Secondary Circulation Pump
- 03f General Pump
- 05 uniSTOR DHW Cylinder
- 07f 45/100L Buffer
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12b Heat Pump Interface
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Receiver
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value
Installation	
Adapt. heat curve:	Deactivated
Hybrid manager:	Bivalence pt
Heating bivalence point:	-20°
DHW bivalence point:	-20°
Alternative point:	Off
ESCO:	HP Off
Back-up boiler:	Off
Basic system diagram config.	
Basic system diagram code:	10
HP control module configuration	
MO 2:	Circulation pump
Circuit 1	
Circuit type:	Heating
OT switch-off threshold:	30°
Heat curve:	**Site specific
Min. target flow temperature:	15°
Max. target flow temperature:	45°
Set-back mode:	Normal
Room temp. mod.:	Expanded
Zone 1	
Zone activated:	Yes
Zone assignment:	Control
Domestic hot water	
Cylinder:	Active
Anti-legio. day:	**User preference
Anti-legio. time:	**User preference
Cylinder charging offset:	15 K
Cyl. charg. anti-cycl. time:	5 min

A	15/06/2020	Electric Meter & rotary isolation added to outdoor module.
		Immersion removed, secondary circulation pump added.

B	11/02/2021	VF1 (Decoupler) flow sensor removed.
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REV	DATE	DESCRIPTION
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Domestic Cold Water	
Domestic Hot Water	
Heating Flow	
Heating Return	
Glycol Flow	
Glycol Return	

230/400V Wire	
Low Voltage Sensor Wire	
Low Voltage eBUS	
Low Voltage Demand Signal	
eBUS +	
eBUS -	

Indicates Cable Junction	
Indicates No. of cable cores	

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Buffer (45/100L)

HTG. Circuit(s): 1x Radiator - Direct, ,

24/10/2022

REV: C

Control(s): sensoCOMFORT

Domestic Hot Water: 1x Cylinder

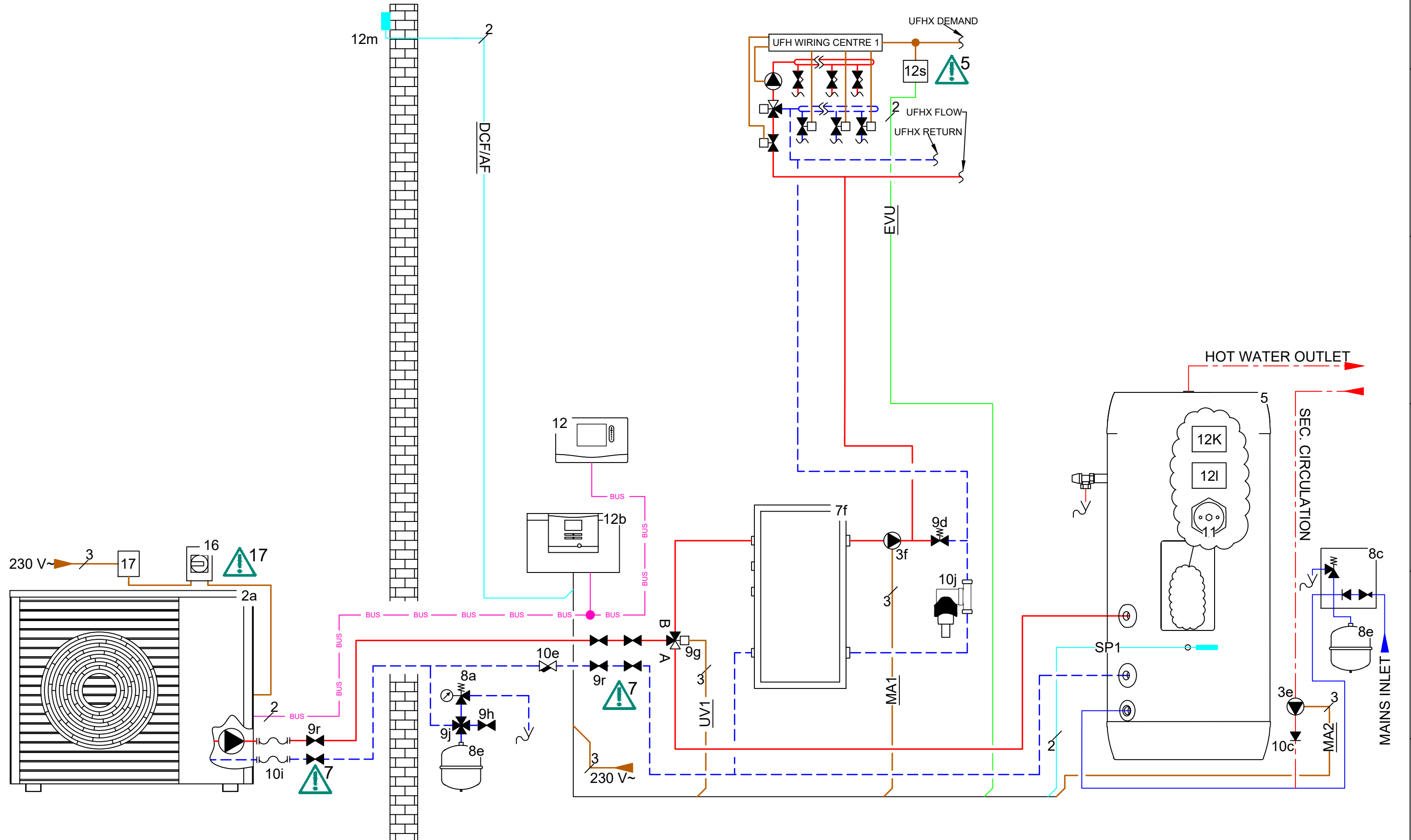
30111-1011



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
- 7. Optional for heat meters.

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022

REV:

C

Appliance(s): aroTHERM Mono, Buffer (45/100L Buffer)

Control(s): sencoCOMFORT (VRC720)

HTG. Circuit(s): 1x UFH(X) - 3rd Party, .

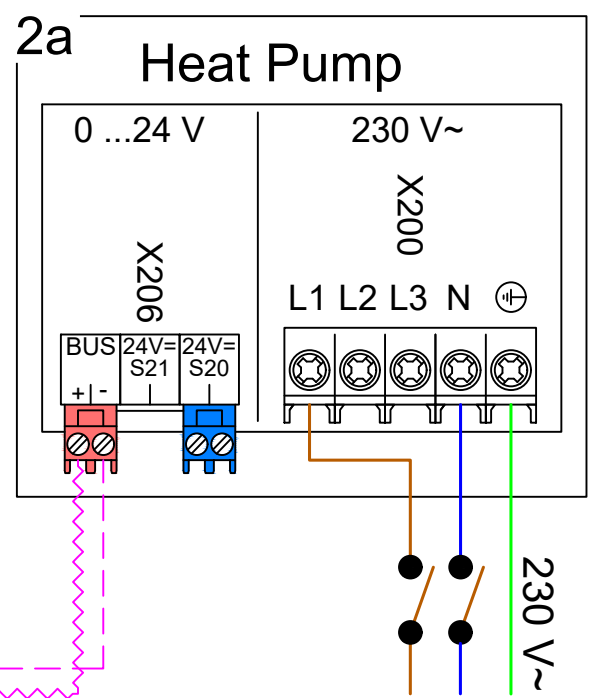
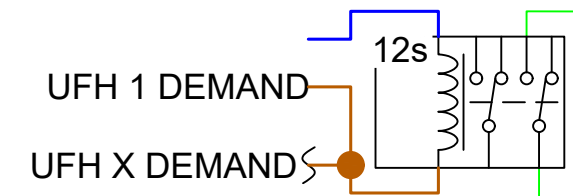
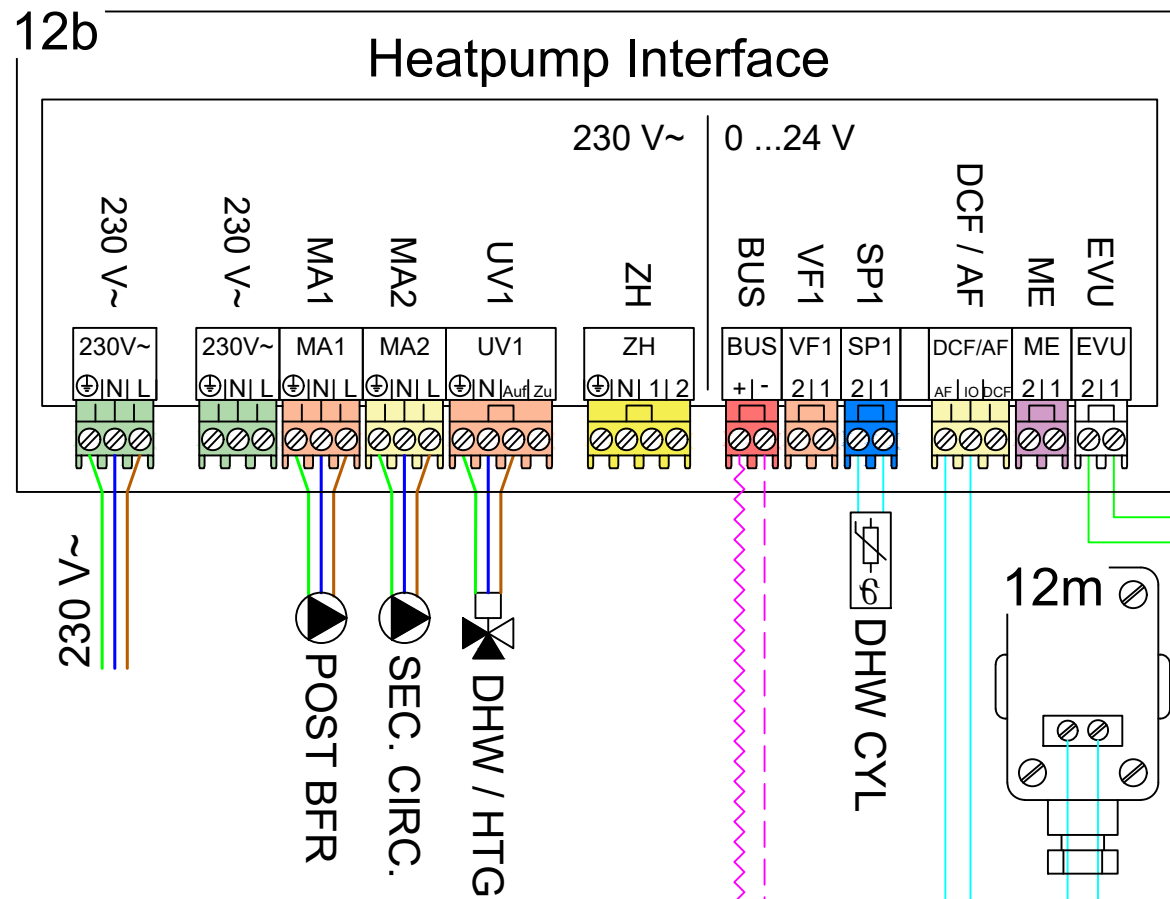
Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
- 7. Optional for heat meters.

17. Rotary Isolator must be situated outside of the Protective Zone



30111-1011

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- 03e Secondary Circulation Pump
- 03f General Pump
- 05 uniSTOR DHW Cylinder
- 07f 45/100L Buffer
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12b Heat Pump Interface
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12s DPDT Relay (3rd Party)
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Domestic hot water	
Adapt. heat curve:	Deactivated	Cylinder:	Active
Hybrid manager:	Bivalence pt	Anti-legio. day:	**User preference
Heating bivalence point:	-20°	Anti-legio. time:	**User preference
DHW bivalence point:	-20°	Cylinder charging offset:	15 K
Alternative point:	Off	Cyl. charg. anti-cycl. time:	5 min
ESCO:	Heating off		
Back-up boiler:	Off		
Basic system diagram config.			
Basic system diagram code:	10		
HP control module configuration			
MO 2:	Circulation pump		
Circuit 1			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Eco		
Room temp. mod.:	Inactive		
Zone 1			
Zone activated:	Yes		
Zone assignment:	No assignmt		

A	15/06/2020	Electric Meter & rotary isolation added to outdoor module. Immersion removed, secondary circulation pump added.
B	11/02/2021	VF1 (Decoupler) flow sensor removed.

REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

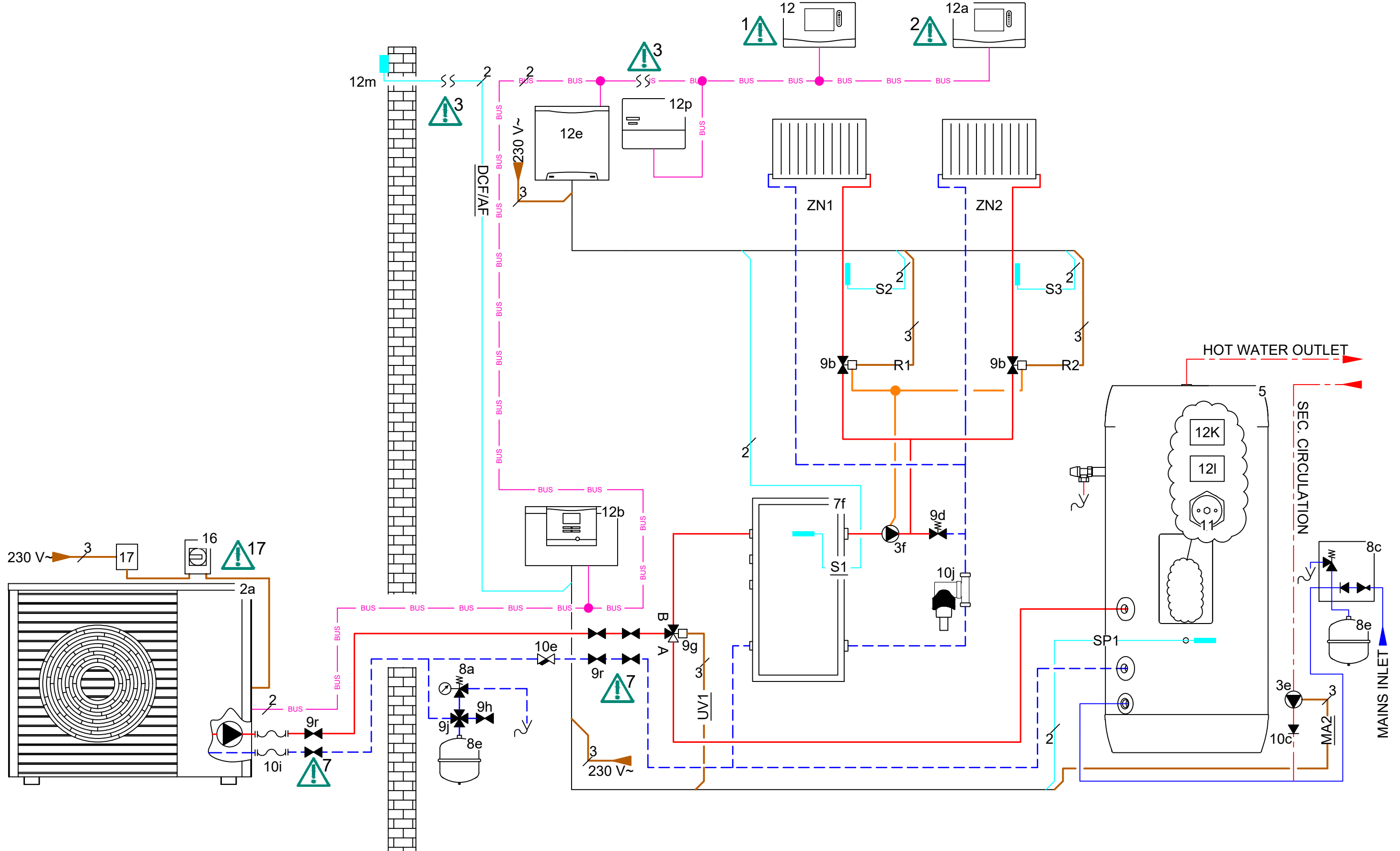
30120-1012



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 2. Set VR92 remote address to its zone number - 1
eg. If VR92 is in zone 3, then remote address must be set to 2.

- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters.
- 17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A. Rice

24/10/2022

REV:

C

Appliance(s): aroTHERM Mono, Buffer (45L Buffer)

Control(s): sensoCOMFORT, VR 92

B.

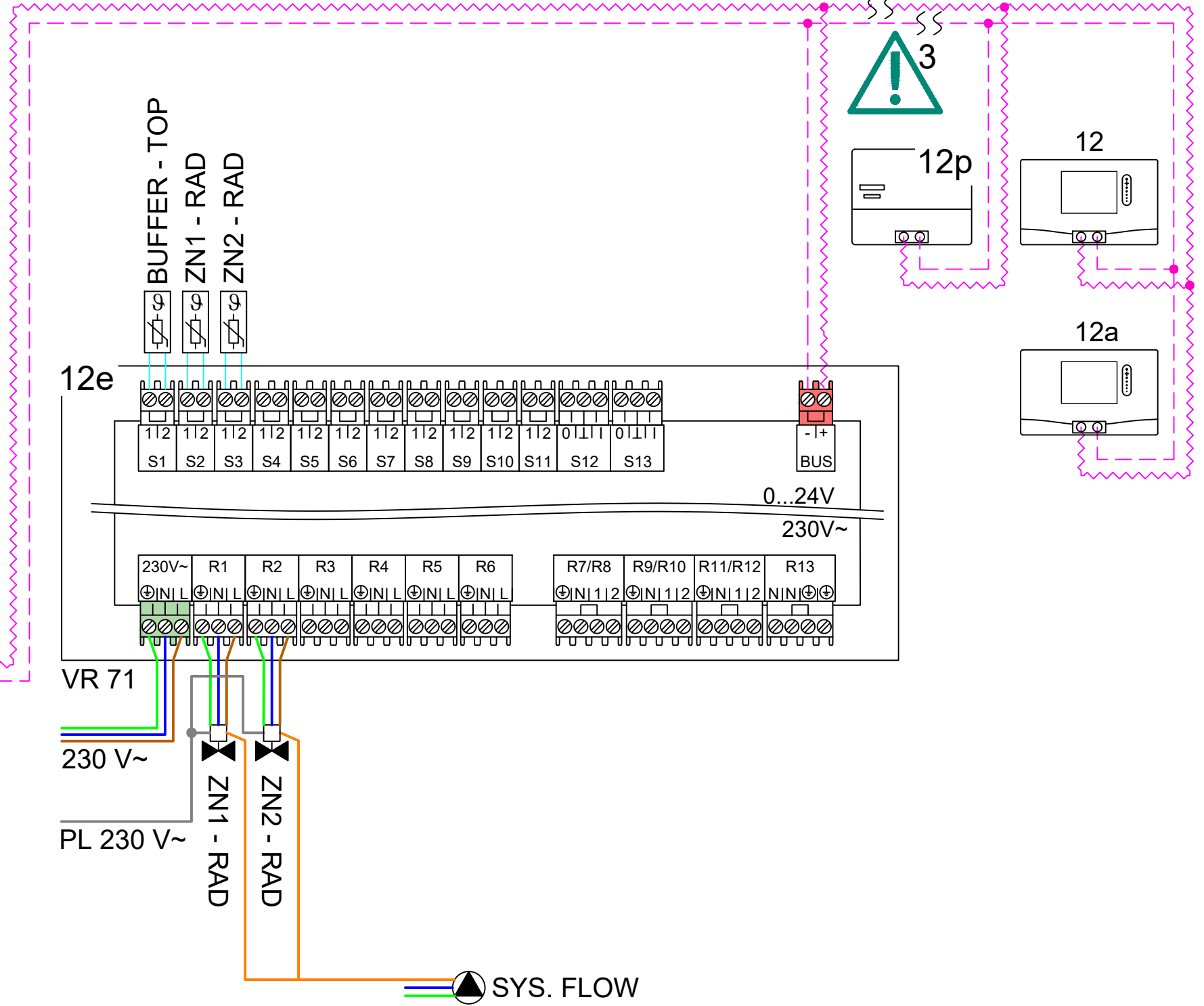
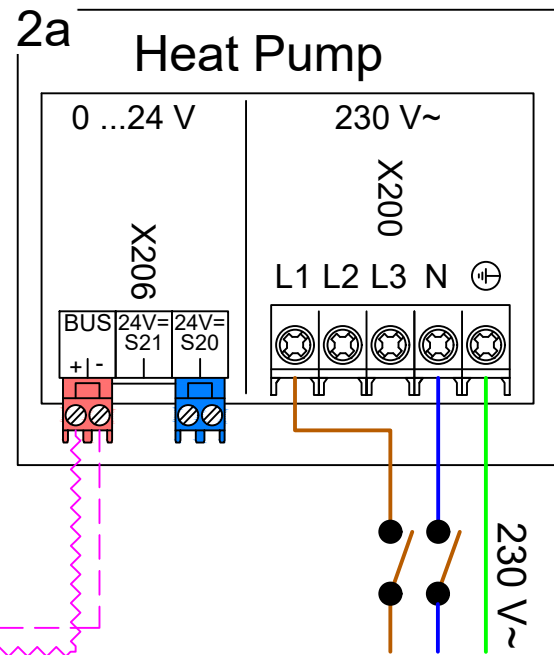
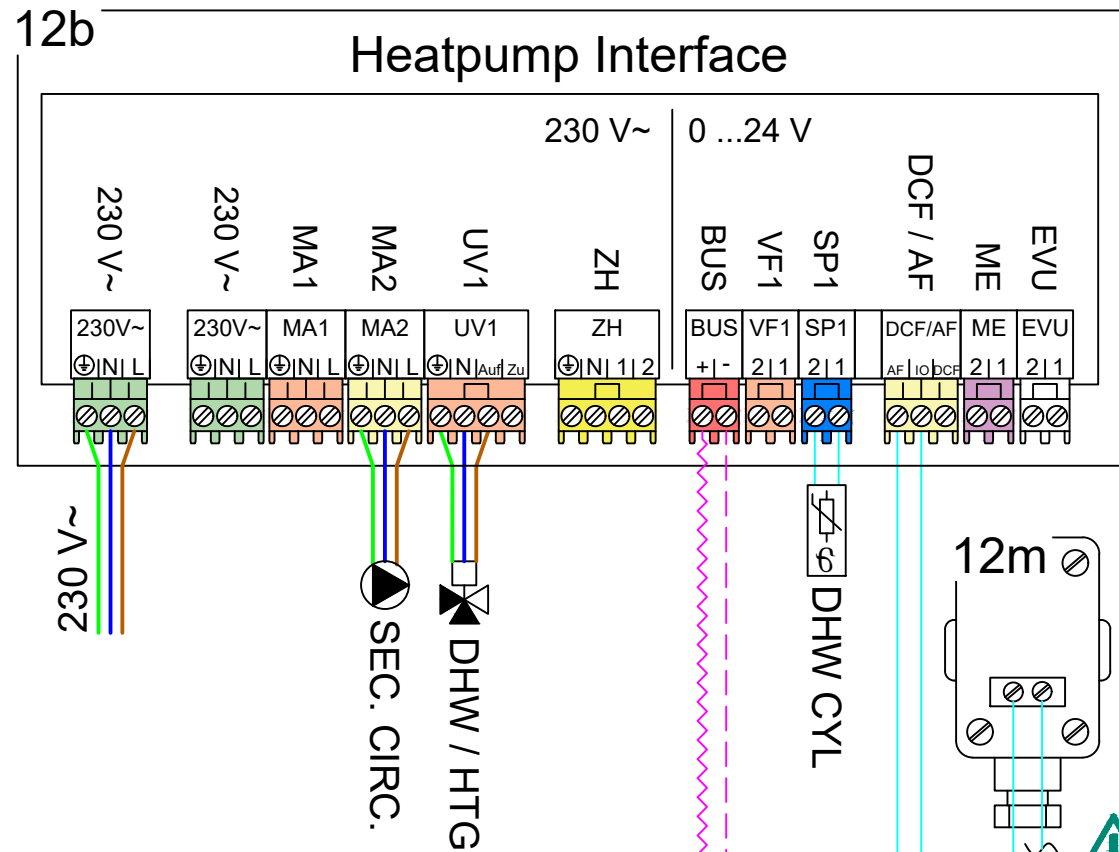
HTG. Circuit(s): 2x Radiator - Direct, ,

Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 2. Set VR92 remote address to its zone number - 1
 eg. If VR92 is in zone 3, then remote address must be set to 2.

3. Controls and outdoor sensor can be wired or wireless
 7. Optional for Heat Meters.
 17. Rotary Isolator must be situated outside of the Protective Zone



30120-1012

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- 03e Secondary Circulation Pump
- 03f General Pump
- 05 uniSTOR DHW Cylinder
- 07f 45/100L Buffer
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12a VR92
- 12b Heat Pump Interface
- 12e Wiring Centre - VR 71
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Receiver
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Circuit 2	
Adapt. heat curve:	Deactivated	Circuit type:	Heating
Hybrid manager:	Bivalence pt	OT switch-off threshold:	30°
Heating bivalence point:	-20°	Heat curve:	**Site specific
DHW bivalence point:	-20°	Min. target flow temperature:	15°
Alternative point:	Off	Max. target flow temperature:	45°
ESCO:	HP Off	Set-back mode:	Normal
Back-up boiler:	Off	Room temp. mod.:	Expanded
Conf. ext. input:	Bridge, deactiv.	Zone 1	
Basic system diagram config.		Zone activated:	Yes
Basic system diagram code:	10	Zone assignment:	Control
FM5 configuration:	3	Zone 2	
FM5 MO:	Not working	Zone activated:	Yes
HP control module configuration		Zone assignment:	Rem. contr. 1
MO 2:	Circulation pump	Domestic hot water	
Circuit 1		Cylinder:	Active
Circuit type:	Heating	Anti-legio. day:	**User preference
OT switch-off threshold:	30°	Anti-legio. time:	**User preference
Heat curve:	**Site specific	Cylinder charging offset:	15 K
Min. target flow temperature:	15°	Cyl. charg. anti-cycl. time:	5 min
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		

A	15/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E
		Immersion removed, secondary circulation pump added.	8,E

REV	DATE	DESCRIPTION	ZONE
-----	------	-------------	------

Domestic Cold Water	—
Domestic Hot Water	—
Heating Flow	—
Heating Return	—
Glycol Flow	—
Glycol Return	—

230/400V Wire	—
Low Voltage Sensor Wire	—
Low Voltage eBUS	— BUS —
Low Voltage Demand Signal	—
eBUS +	—
eBUS -	—

Indicates Cable Junction	● — BUS —
Indicates No. of cable cores	3

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Drawn: A. Rice
24/10/2022 REV: C

Appliance(s): aroTHERM Mono, Buffer (45L Buffer)
Control(s): sensoCOMFORT, VR 92

HTG. Circuit(s): 2x Radiator - Direct ,
Domestic Hot Water: 1x Cylinder

30121-1012

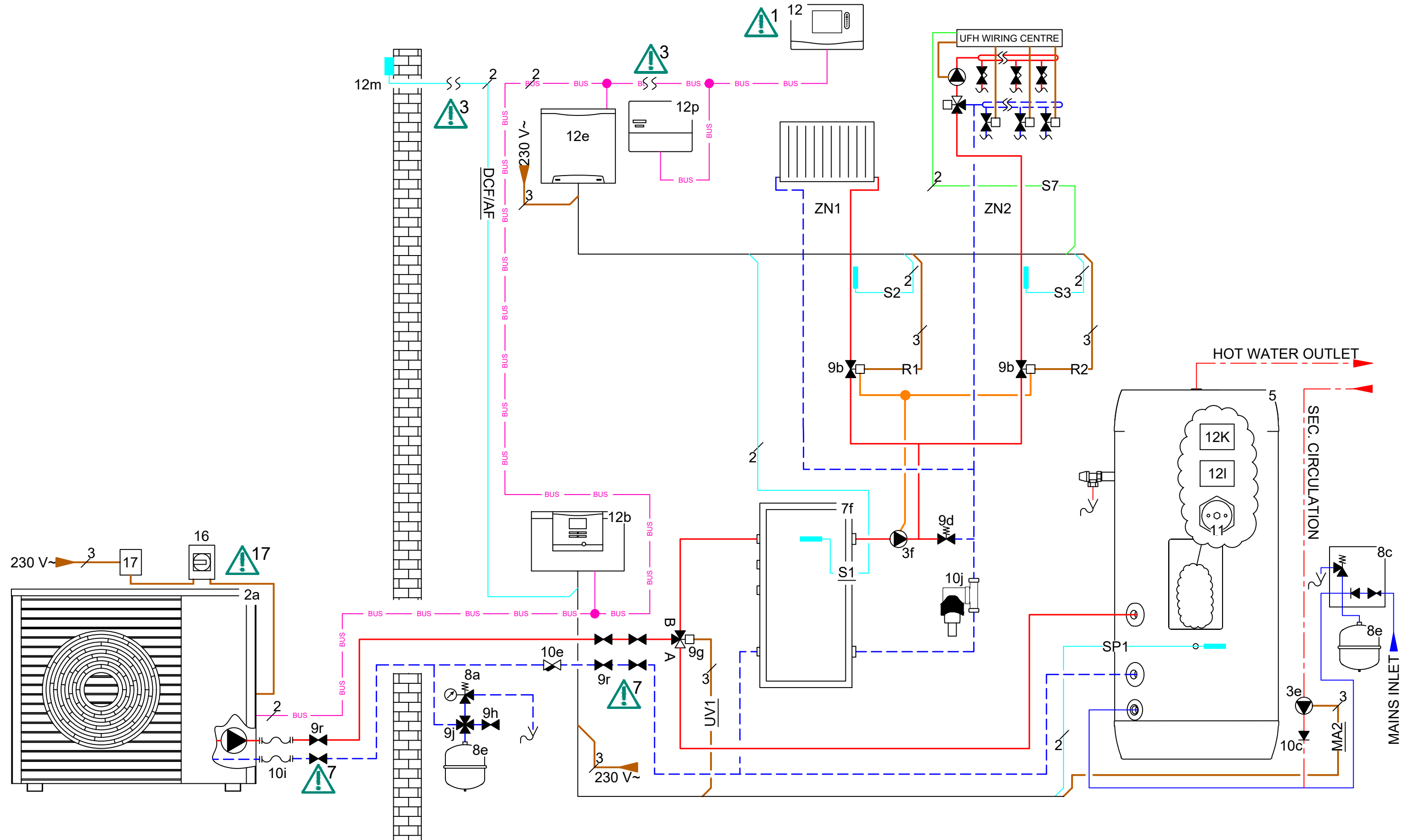


-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 4. Link required (not factory fitted).

7. Optional for heat meters.

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A. Rice
24/10/2022 REV: C

Appliance(s): aroTHERM Mono, Buffer (45/100L)
Control(s): sensoCOMFORT

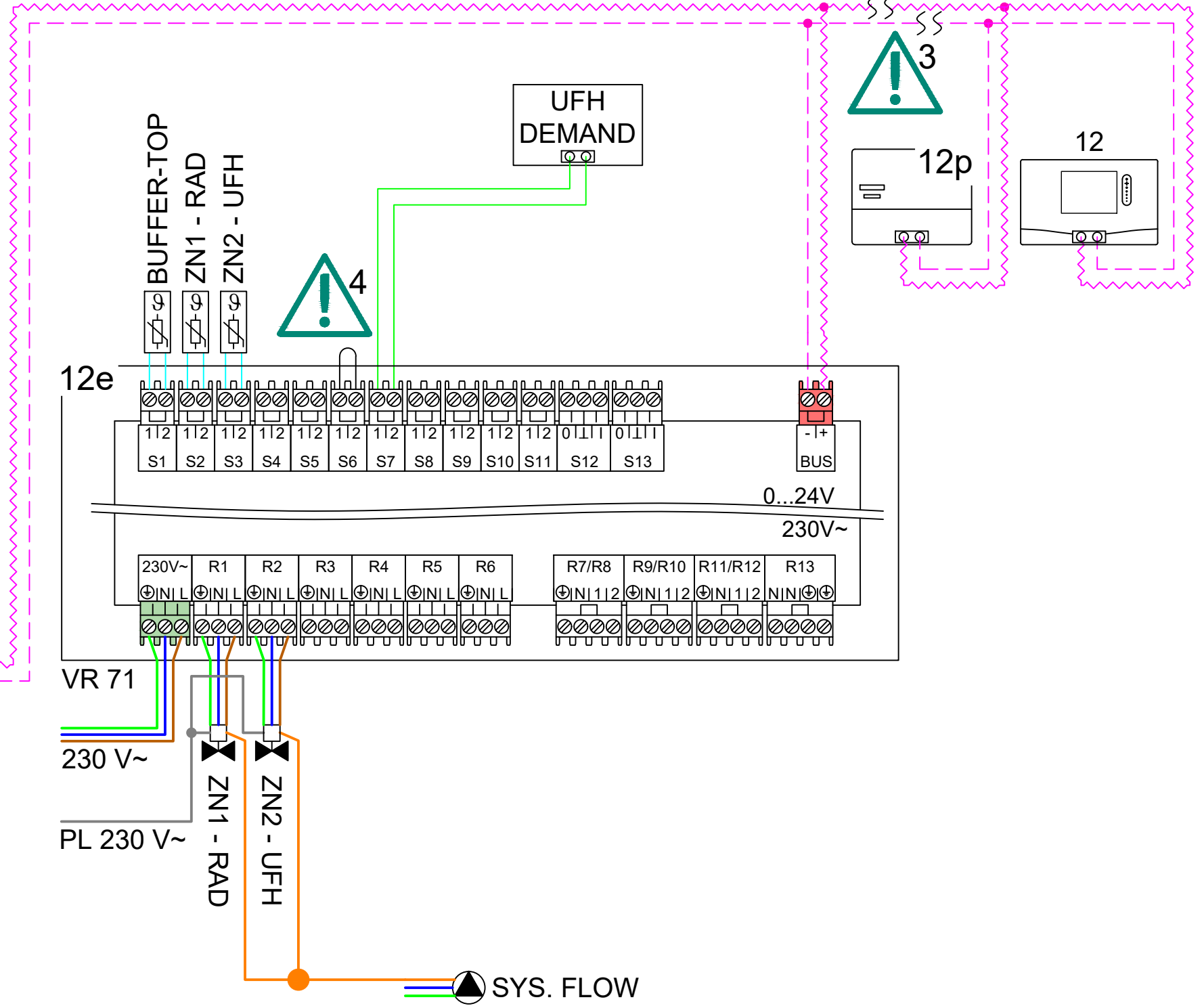
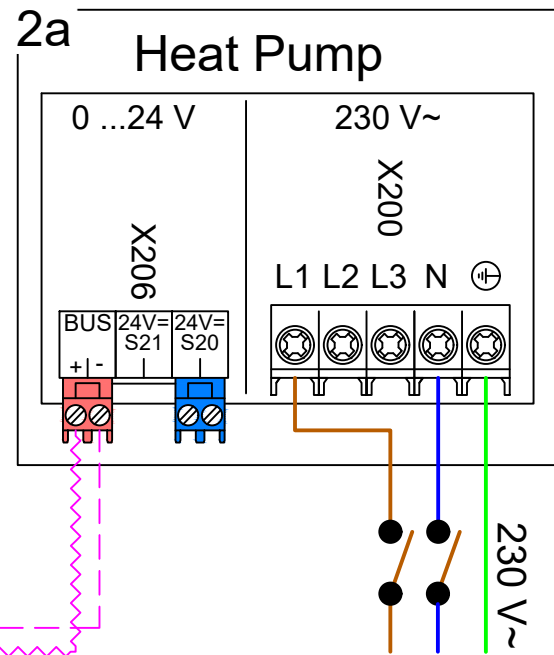
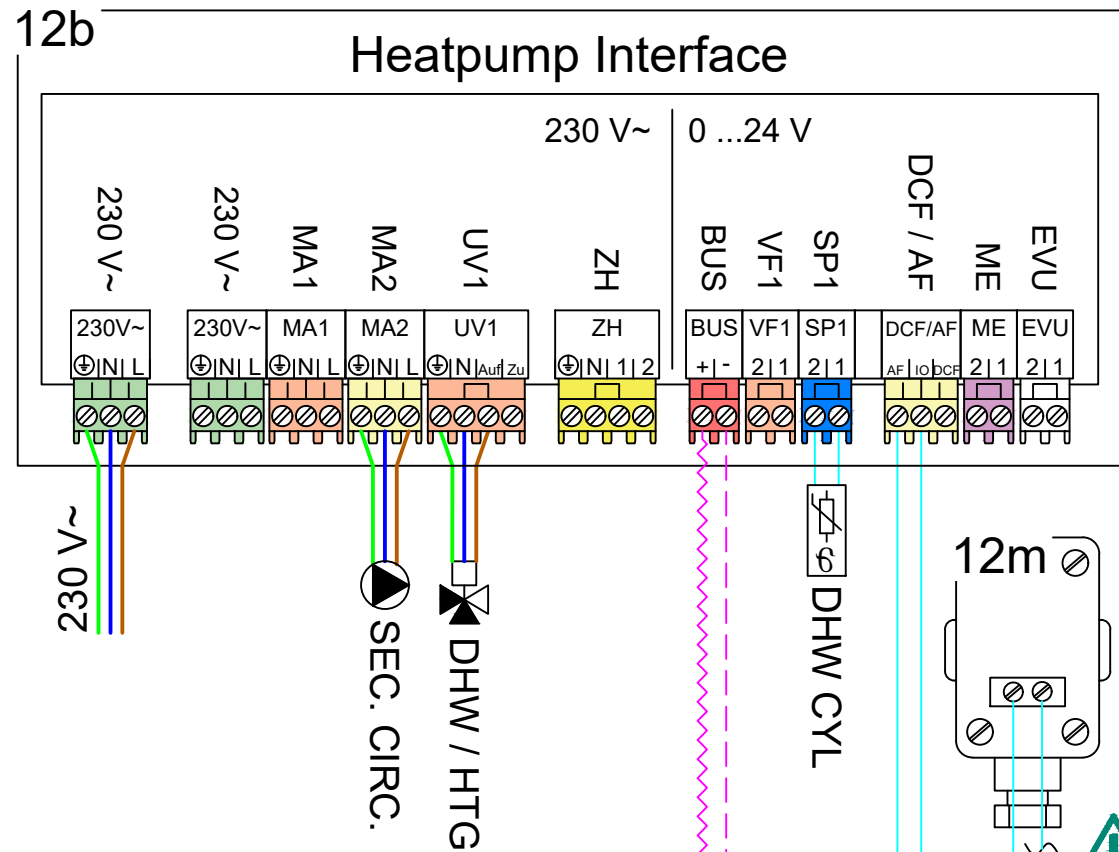
HTG. Circuit(s): 1x Radiator - Direct, 1x UFH(X) - 3rd Party,
Domestic Hot Water: 1x Cylinder

30121-1012



-See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 3. Controls and outdoor sensor can be wired or wireless
 4. Link required (not factory fitted).

7. Optional for heat meters.
 17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A. Rice
 24/10/2022 REV: C

Appliance(s): aroTHERM Mono, Buffer (45/100L)
 Control(s): sensoCOMFORT

HTG. Circuit(s): 1x Radiator - Direct, 1x UFH(X) - 3rd Party,
 Domestic Hot Water: 1x Cylinder

30121-1012

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- 12m Outdoor Temperature Sensor
- 12p Wireless Receiver
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Circuit 2	
Adapt. heat curve:	Deactivated	Circuit type:	Heating
Hybrid manager:	Bivalence pt	OT switch-off threshold:	30°
Heating bivalence point:	-20°	Heat curve:	**Site specific
DHW bivalence point:	-20°	Min. target flow temperature:	15°
Alternative point:	Off	Max. target flow temperature:	45°
ESCO:	HP Off	Set-back mode:	Eco
Back-up boiler:	Off	Room temp. mod.:	Inactive
Conf. ext. input:	Open, deactiv.	Zone 1	
Basic system diagram config.		Zone activated:	Yes
Basic system diagram code:	10	Zone assignment:	Control
FM3 configuration:	3	Zone 2	
FM3 MO:	Not working	Zone activated:	Yes
HP control module configuration		Zone assignment:	No assignmt
MO 2:	Circulation pump	Domestic hot water	
Circuit 1		Cylinder:	Active
Circuit type:	Heating	Anti-legio. day:	**User preference
OT switch-off threshold:	30°	Anti-legio. time:	**User preference
Heat curve:	**Site specific	Cylinder charging offset:	15 K
Min. target flow temperature:	15°	Cyl. charg. anti-cycl. time:	5 min
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		

A	15/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E
		Immersion removed, secondary circulation pump added.	8,E

REV	DATE	DESCRIPTION	ZONE
		Domestic Cold Water	
		Domestic Hot Water	
		Heating Flow	
		Heating Return	
		Glycol Flow	
		Glycol Return	
		230/400V Wire	
		Low Voltage Sensor Wire	
		Low Voltage eBUS	BUS
		Low Voltage Demand Signal	
		eBUS +	
		eBUS -	
		Indicates Cable Junction	BUS
		Indicates No. of cable cores	3

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Drawn: A. Rice
24/10/2022 REV: C

Appliance(s): aroTHERM Mono, Buffer (45/100L)
Control(s): sensoCOMFORT

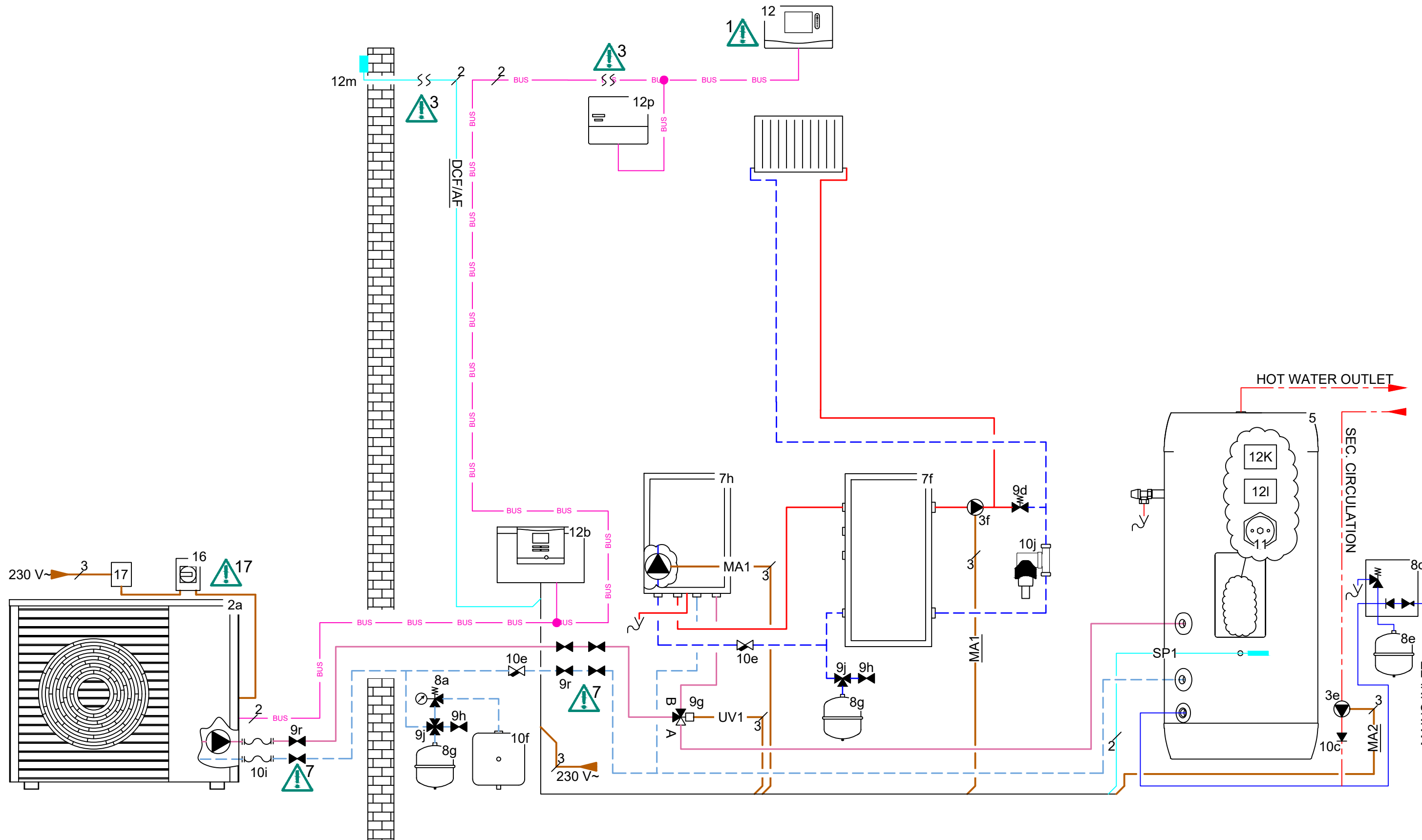
HTG. Circuit(s): 1x Radiator - Direct, 1x UFH(X) - 3rd Party,
Domestic Hot Water: 1x Cylinder

30240-1011



-See page 2 for detailed wiring.
1. See page 3 for relevant controller system configuration settings.
3. Controls and outdoor sensor can be wired or wireless
7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.Rice

24/10/2022

REV:

C

Appliance(s): aroTHERM Mono, Heat Ex. Module, Buffer (45/100Ltr)

Control(s): sensoCOMFORT

HTG. Circuit(s): 1x Radiator - Direct, ,

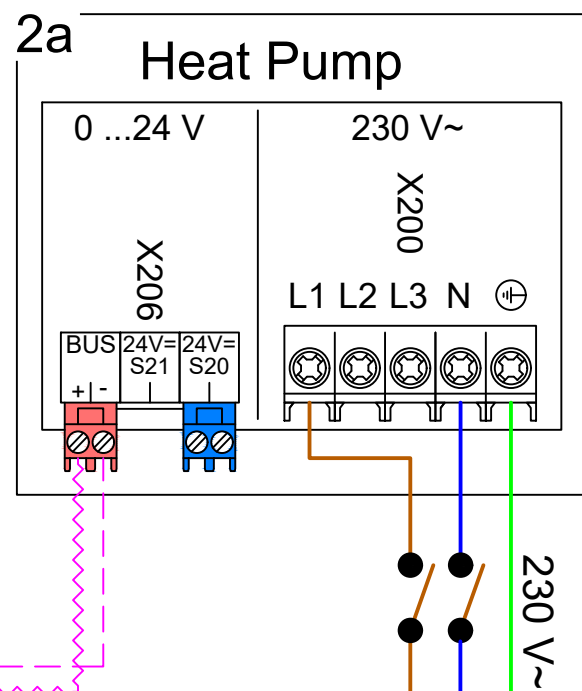
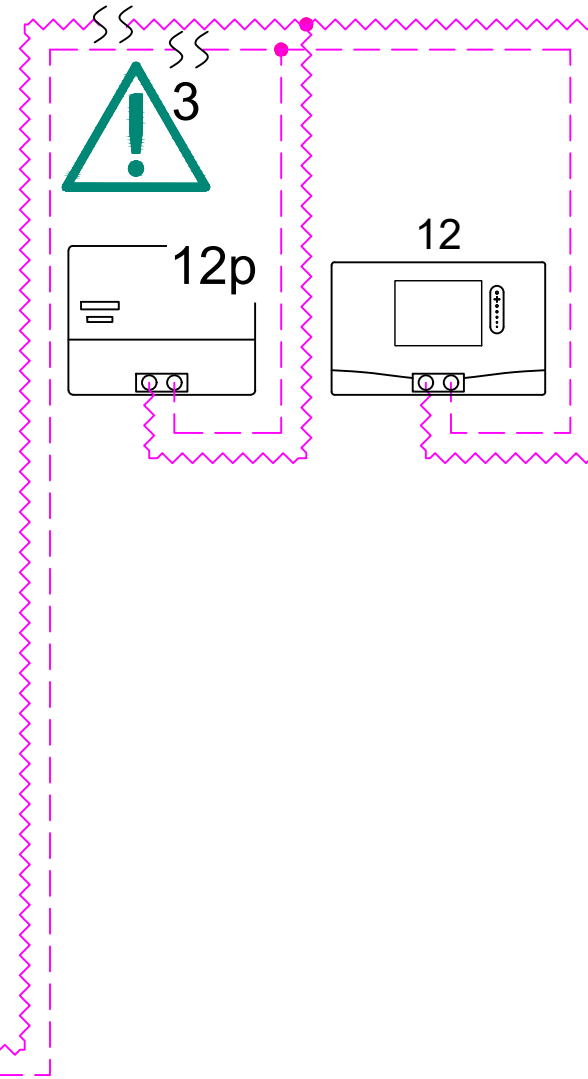
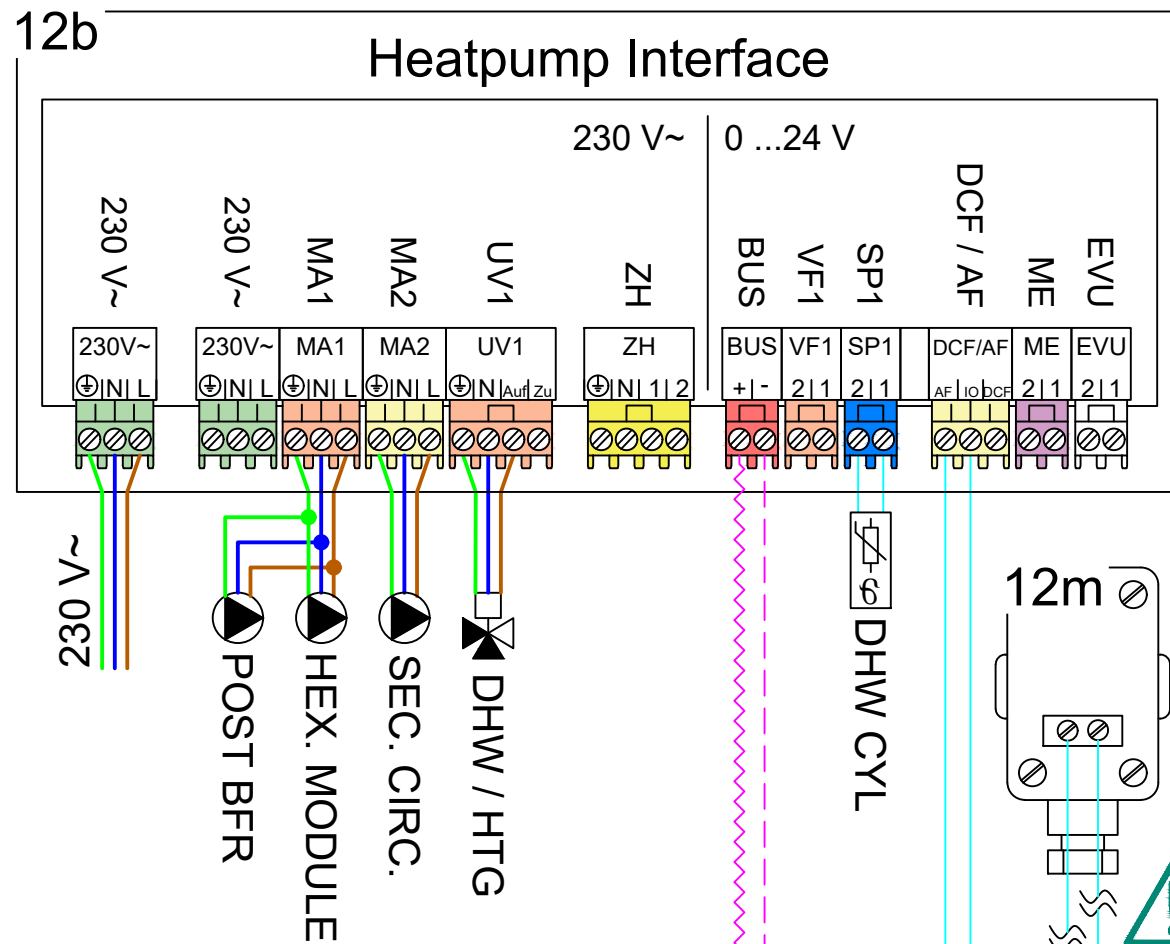
Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30240-1011

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- 03e Secondary Circulation Pump
- 03f General Pump
- 05 uniSTOR DHW Cylinder
- 07f 45/100L Buffer
- 07h HEX. Module
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12b Heat Pump Interface
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Receiver
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value
Installation	
Adapt. heat curve:	Deactivated
Hybrid manager:	Bivalence pt
Heating bivalence point:	-20°
DHW bivalence point:	-20°
Alternative point:	Off
ESCO:	HP Off
Back-up boiler:	Off
Basic system diagram config.	
Basic system diagram code:	10
HP control module configuration	
MO 2:	Circulation pump
Circuit 1	
Circuit type:	Heating
OT switch-off threshold:	30°
Heat curve:	**Site specific
Min. target flow temperature:	15°
Max. target flow temperature:	45°
Set-back mode:	Normal
Room temp. mod.:	Expanded
Zone 1	
Zone activated:	Yes
Zone assignment:	Control
Domestic hot water	
Cylinder:	Active
Anti-legio. day:	**User preference
Anti-legio. time:	**User preference
Cylinder charging offset:	15 K
Cyl. charg. anti-cycl. time:	5 min

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.
		Immersion removed, secondary circulation pump added.

B	11/02/2021	VF1 (Decoupler) flow sensor removed.
---	------------	--------------------------------------

REV	DATE	DESCRIPTION
-----	------	-------------

Domestic Cold Water	
Domestic Hot Water	
Heating Flow	
Heating Return	
Glycol Flow	
Glycol Return	

230/400V Wire	
Low Voltage Sensor Wire	
Low Voltage eBUS	
Low Voltage Demand Signal	
eBUS +	
eBUS -	

Indicates Cable Junction

Indicates No. of cable cores

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Drawn: A.Rice

24/10/2022

REV: C

Appliance(s): aroTHERM Mono, Heat Ex. Module, Buffer (45/100Ltr)

Control(s): sensoCOMFORT

HTG. Circuit(s): 1x Radiator - Direct ,

Domestic Hot Water: 1x Cylinder

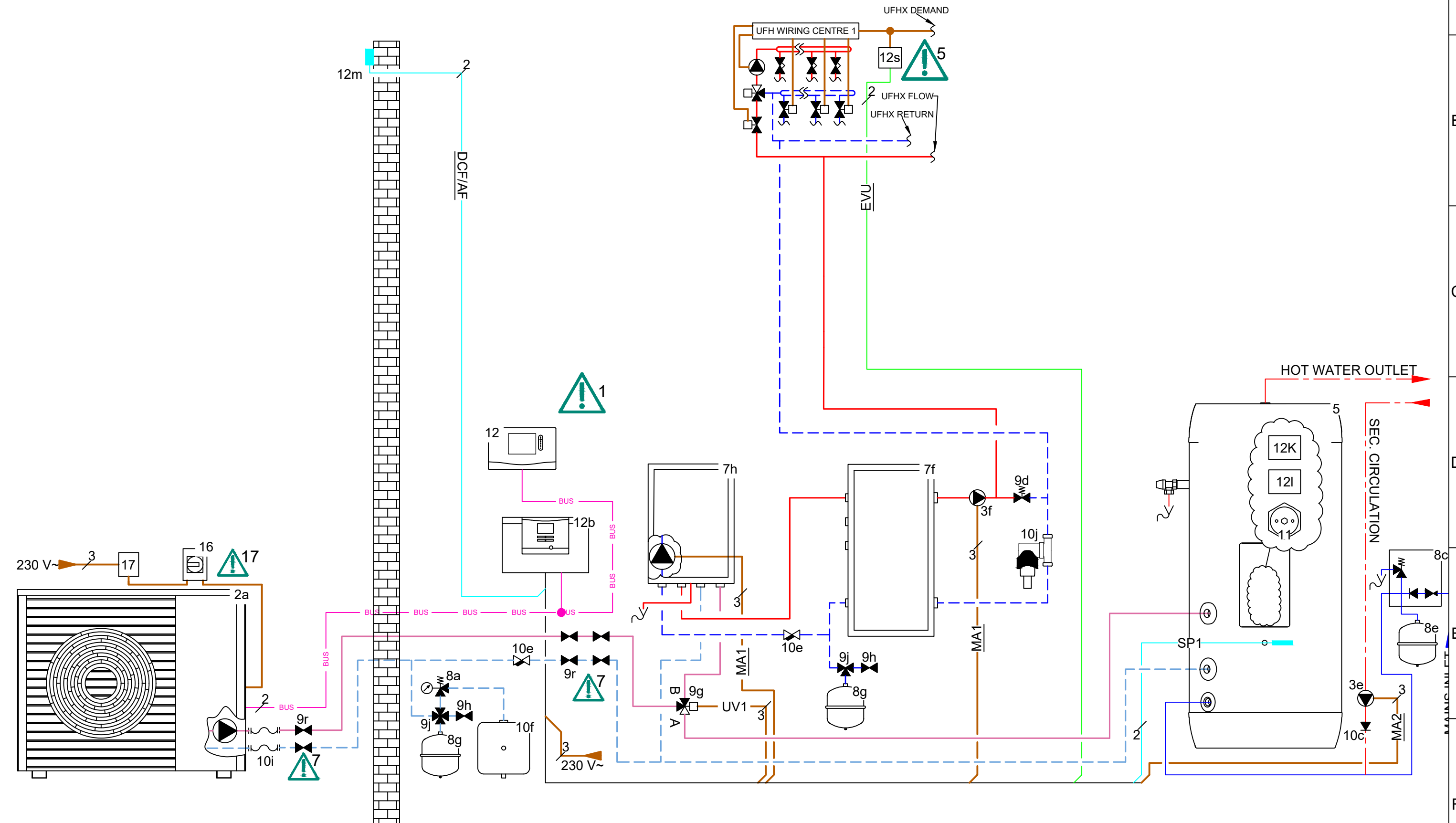
30241-1011



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022

REV:

C

Appliance(s): aroTHERM Mono, Heat Ex. Module, Buffer (45/100L)

Control(s): sensoCOMFORT VRC 720

HTG. Circuit(s): 1x UFH(X) - 3rd Party, .

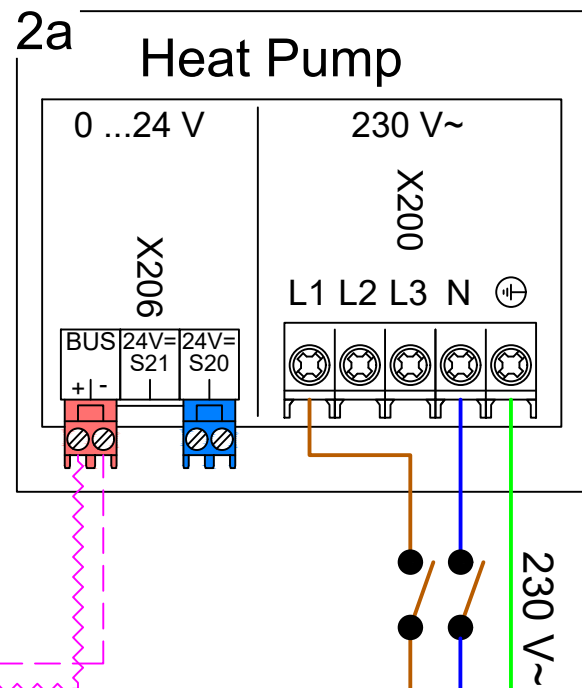
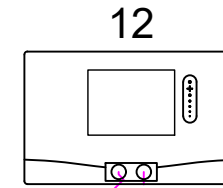
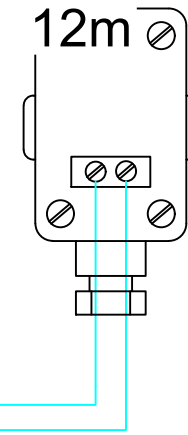
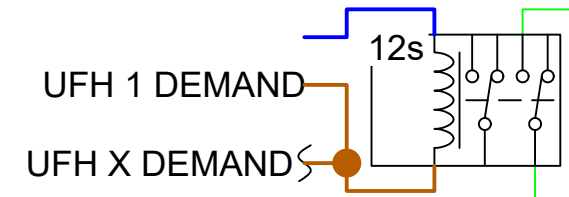
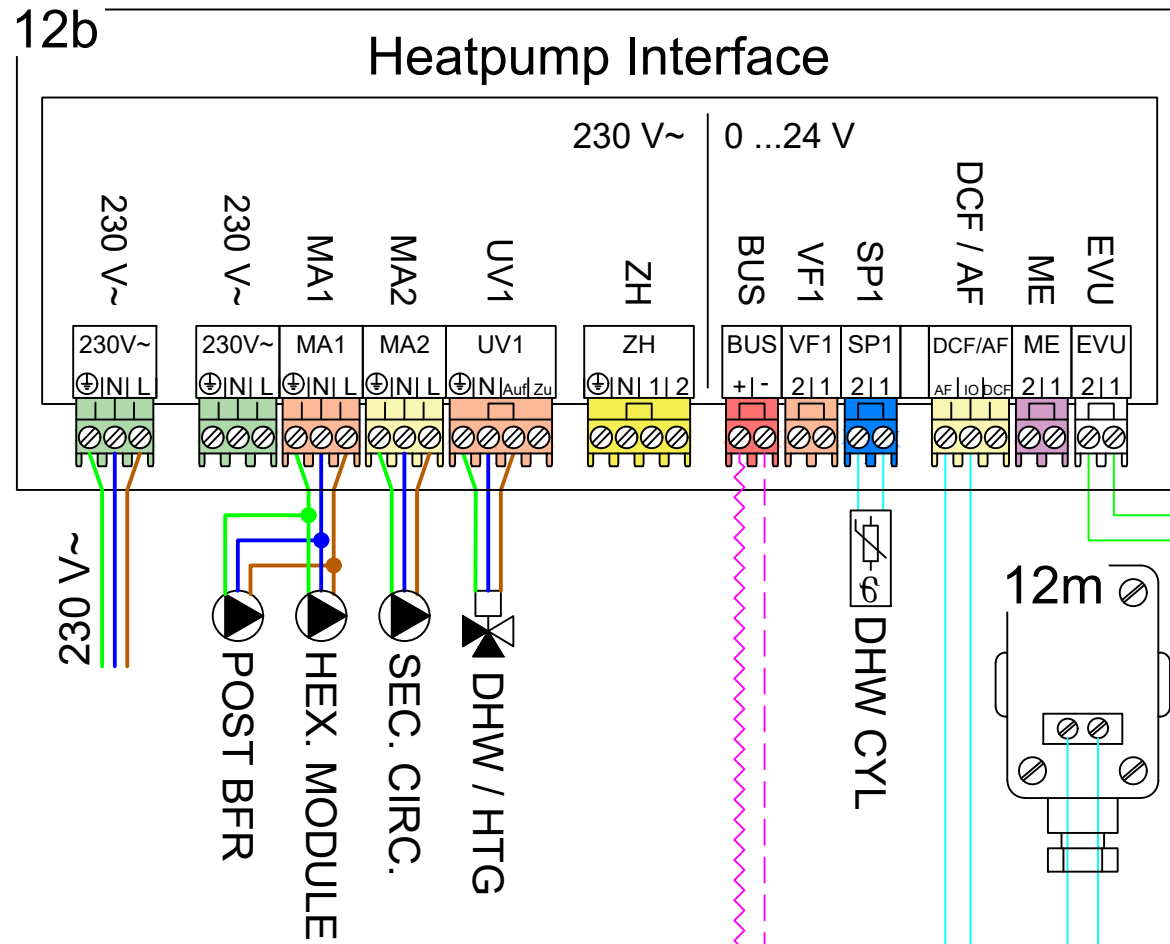
Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30241-1011

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- 03e Secondary Circulation Pump
- 03f General Pump
- 05 uniSTOR DHW Cylinder
- 07f 45/100L Buffer
- 07h HEX. Module
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12b Heat Pump Interface
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12s DPDT Relay (3rd Party)
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Domestic hot water	
Adapt. heat curve:	Deactivated	Cylinder:	Active
Hybrid manager:	Bivalence pt	Anti-legio. day:	**User preference
Heating bivalence point:	-20°	Anti-legio. time:	**User preference
DHW bivalence point:	-20°	Cylinder charging offset:	15 K
Alternative point:	Off	Cyl. charg. anti-cycl. time:	5 min
ESCO:	Heating off		
Back-up boiler:	Off		
Basic system diagram config.			
Basic system diagram code:	10		
HP control module configuration			
MO 2:	Circulation pump		
Circuit 1			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Eco		
Room temp. mod.:	Inactive		
Zone 1			
Zone activated:	Yes		
Zone assignment:	No assignmt		

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module. Immersion removed, secondary circulation pump added.
B	11/02/2021	VF1 (Decoupler) flow sensor removed.

REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

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Drawn: A.RICE

24/10/2022

REV: C

Appliance(s): aroTHERM Mono, Heat Ex. Module, Buffer (45/100L)

Control(s): sensoCOMFORT VRC 720

HTG. Circuit(s): 1x UFH(X) - 3rd Party, ,

Domestic Hot Water: 1x Cylinder

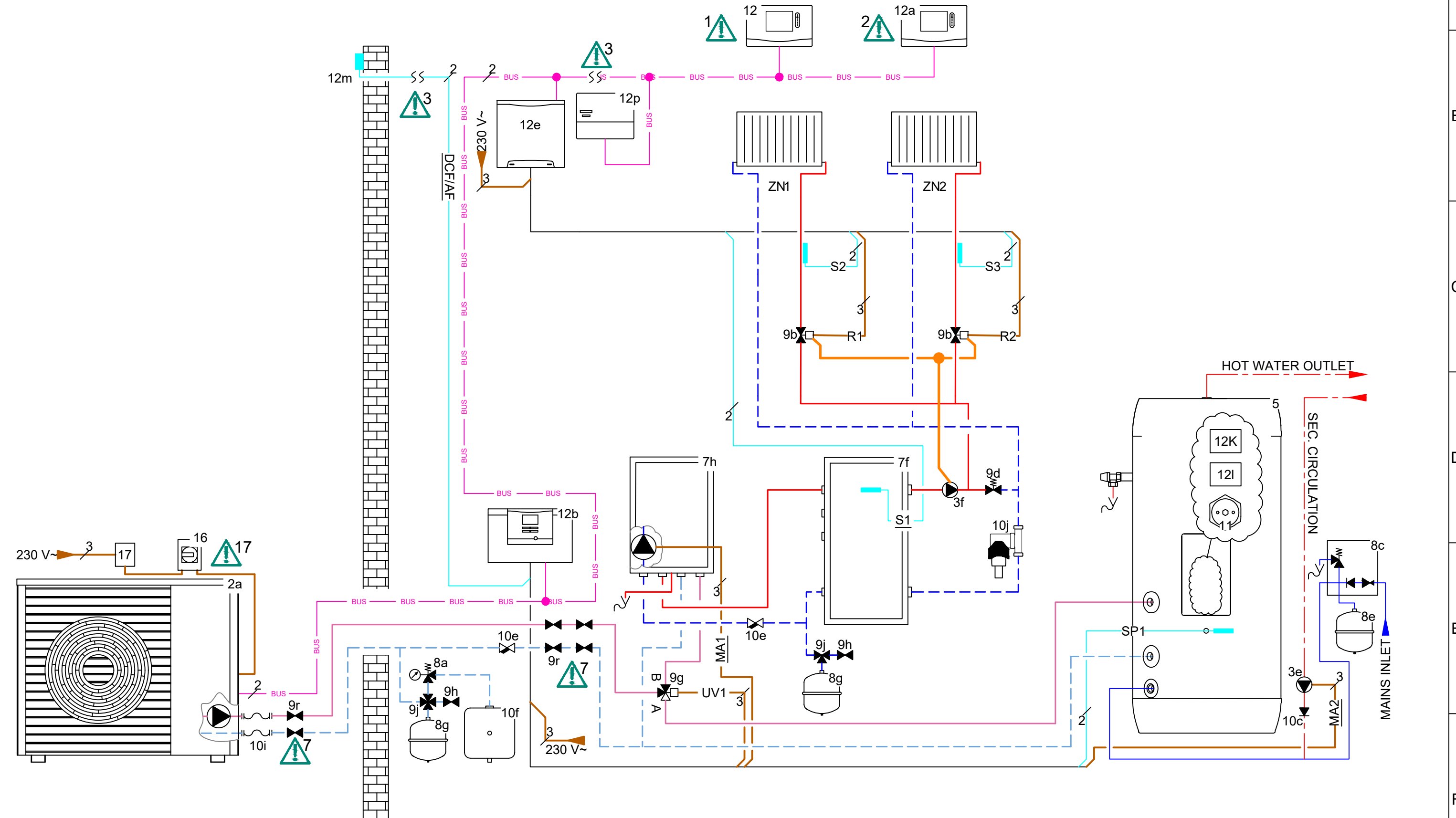
30250-1012



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 2. Set VR92 remote address to its zone number - 1
eg. If VR92 is in zone 3, then remote address must be set to 2.

- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters
- 17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.Rice

24/10/2022 REV: B

Appliance(s): aroTHERM Mono, Heat Ex. Module, Buffer (45/100L)

Control(s): sensoCOMFORT, VR 92

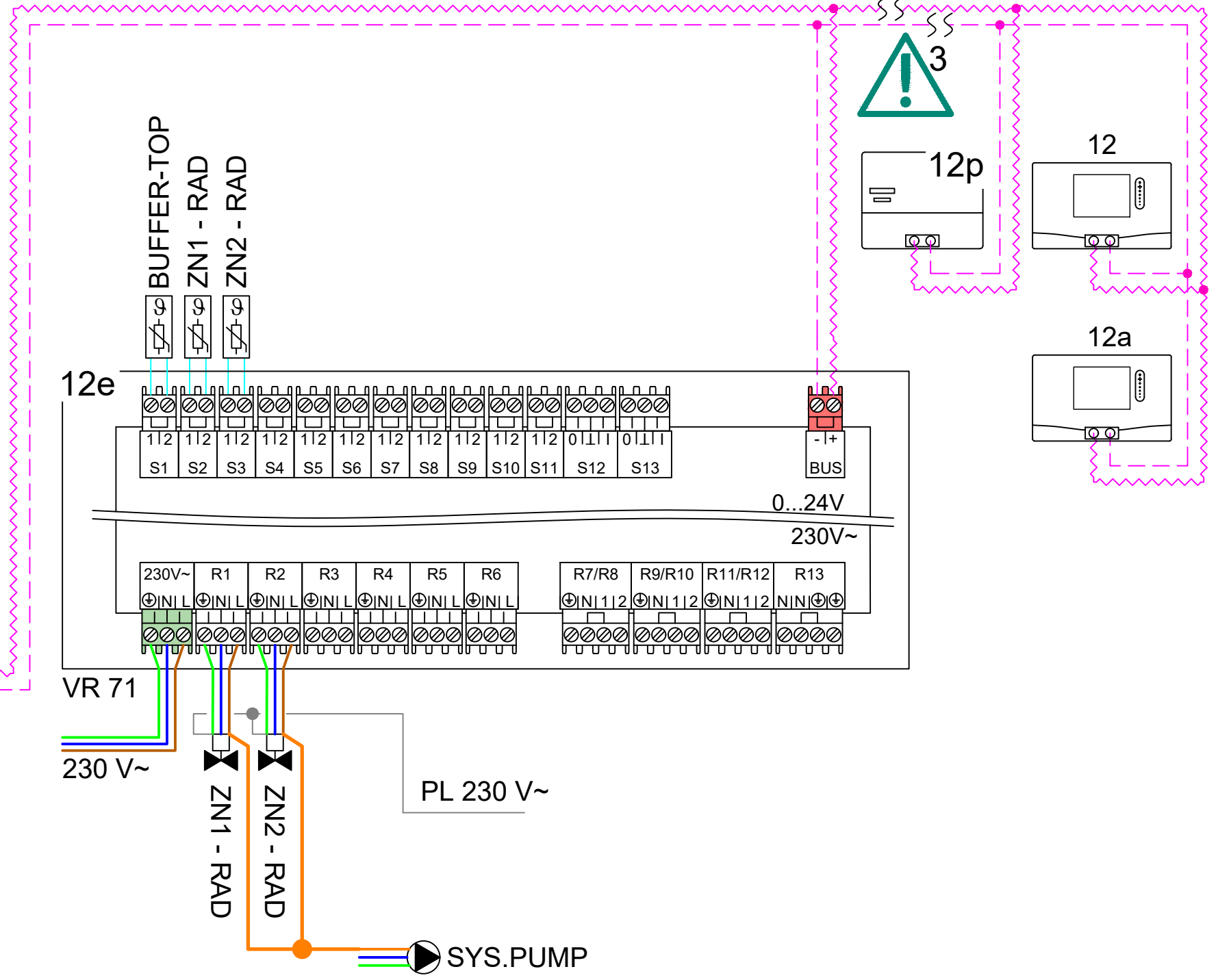
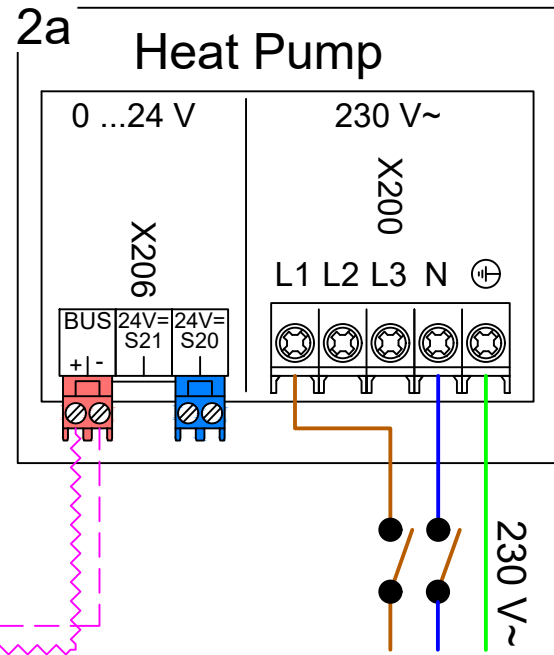
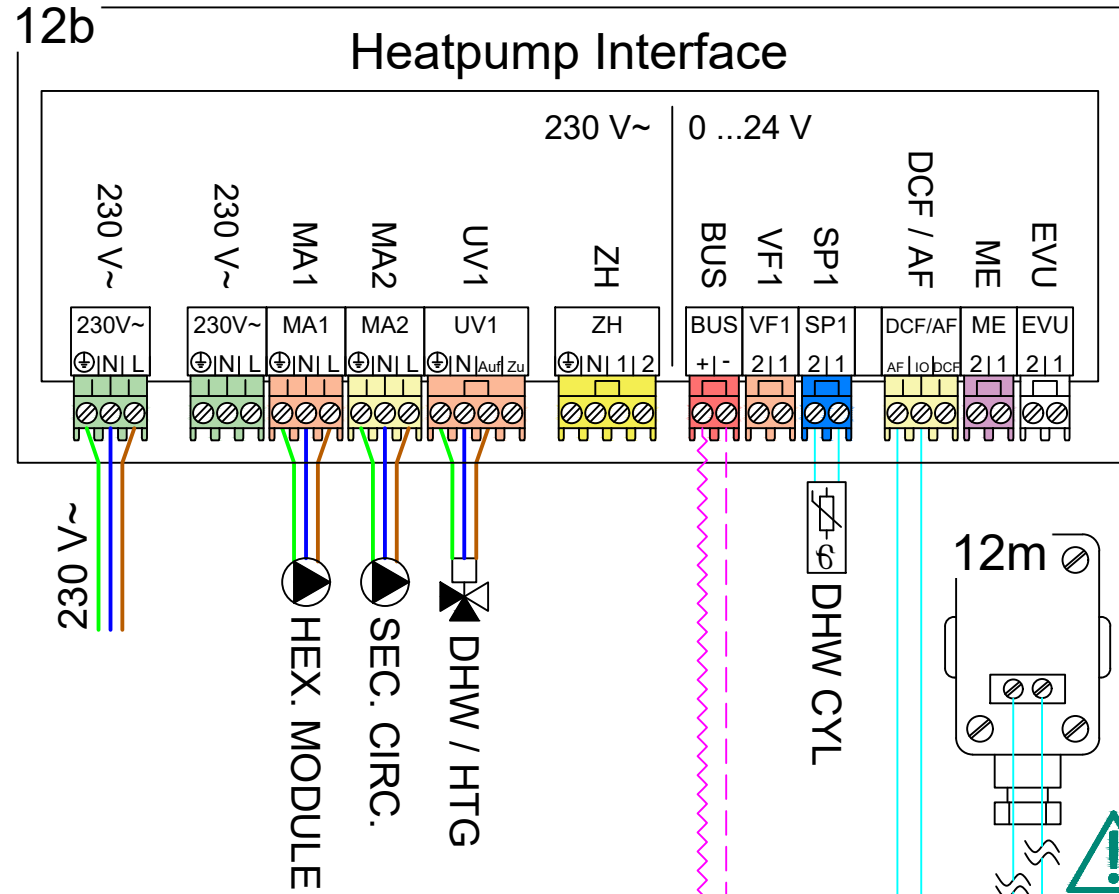
HTG. Circuit(s): 2x Radiator - Direct, ,

Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 2. Set VR92 remote address to its zone number - 1
 eg. If VR92 is in zone 3, then remote address must be set to 2.

3. Controls and outdoor sensor can be wired or wireless
 7. Optional for Heat Meters
 17. Rotary Isolator must be situated outside of the Protective Zone



30250-1012

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- 03e Secondary Circulation Pump
- 03f General Pump
- 05 uniSTOR DHW Cylinder
- 07f 45/100L Buffer
- 07h HEX. Module
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12a VR92
- 12b Heat Pump Interface
- 12e Wiring Centre - VR 71
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Reciever
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Circuit 2	
Adapt. heat curve:	Deactivated	Circuit type:	Heating
Hybrid manager:	Bivalence pt	OT switch-off threshold:	30°
Heating bivalence point:	-20°	Heat curve:	**Site specific
DHW bivalence point:	-20°	Min. target flow temperature:	15°
Alternative point:	Off	Max. target flow temperature:	45°
ESCO:	HP Off	Set-back mode:	Normal
Back-up boiler:	Off	Room temp. mod.:	Expanded
Conf. ext. input:	Bridge, deactiv.	Zone 1	
Basic system diagram config.		Zone activated:	Yes
Basic system diagram code:	10	Zone assignment:	Control
FM5 configuration:	3	Zone 2	
FM5 MO:	Not working	Zone activated:	Yes
HP control module configuration		Zone assignment:	Rem. contr. 1
MO 2:	Circulation pump	Domestic hot water	
Circuit 1		Cylinder:	Active
Circuit type:	Heating	Anti-legio. day:	**User preference
OT switch-off threshold:	30°	Anti-legio. time:	**User preference
Heat curve:	**Site specific	Cylinder charging offset:	15 K
Min. target flow temperature:	15°	Cyl. charg. anti-cycl. time:	5 min
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E
		Immersion removed, secondary circulation pump added.	8,E

REV	DATE	DESCRIPTION	ZONE
-----	------	-------------	------

Domestic Cold Water	-----
Domestic Hot Water	-----
Heating Flow	-----
Heating Return	-----
Glycol Flow	-----
Glycol Return	-----

230/400V Wire	-----
Low Voltage Sensor Wire	-----
Low Voltage eBUS	----- BUS -----
Low Voltage Demand Signal	-----
eBUS +	-----
eBUS -	-----

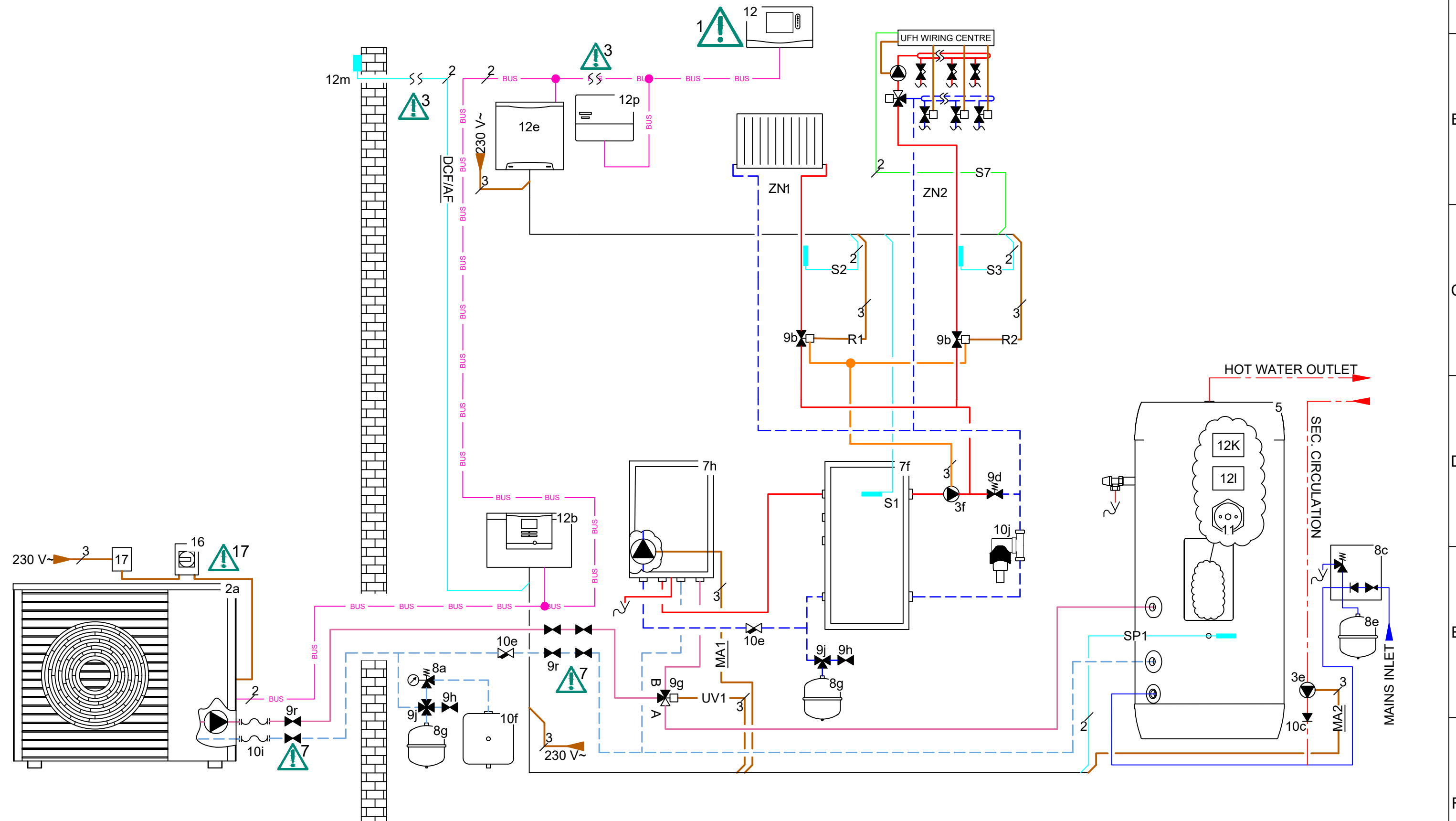
Indicates Cable Junction	●----- BUS -----
Indicates No. of cable cores	----- 3 -----

30251-1012



-See page 2 for detailed wiring.
1. See page 3 for relevant controller system configuration settings.
3. Controls and outdoor sensor can be wired or wireless
7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.Rice

24/10/2022

REV: C

Appliance(s): aroTHERM Mono, Heat Ex. Module, Buffer (45/100LBuffer)

Control(s): sensoCOMFORT

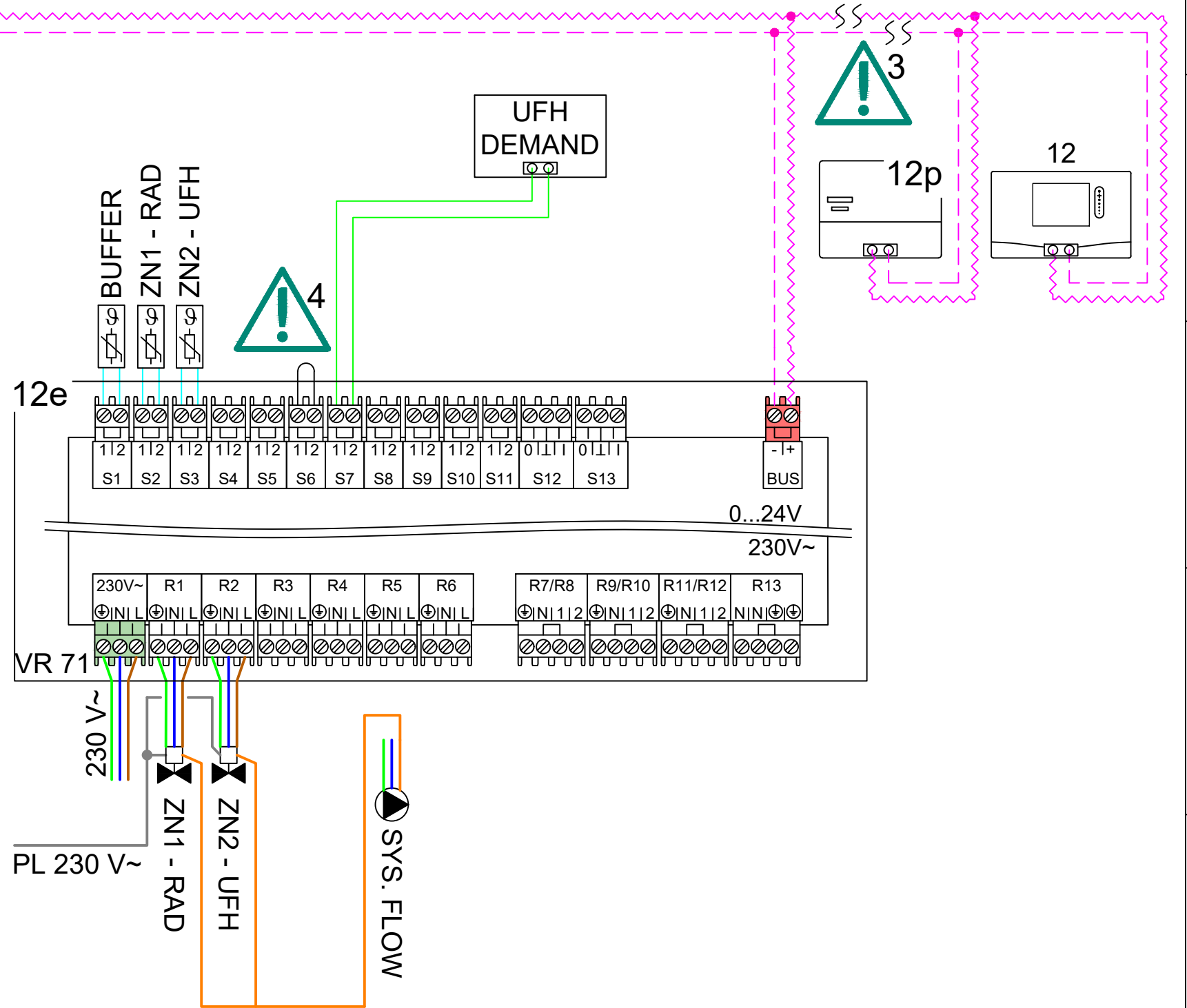
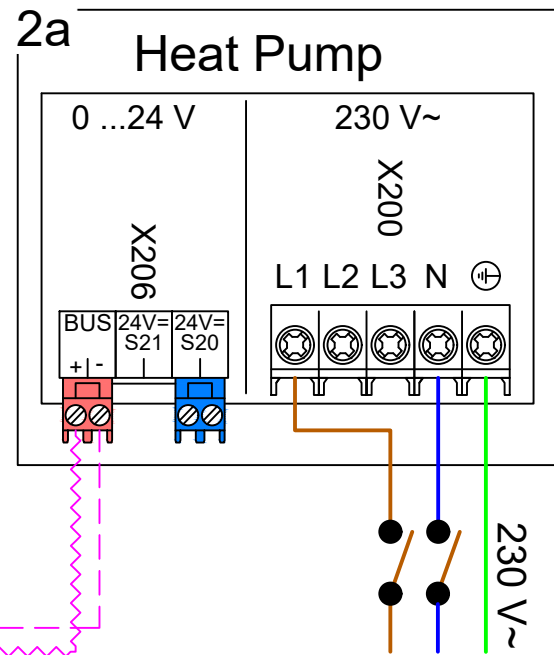
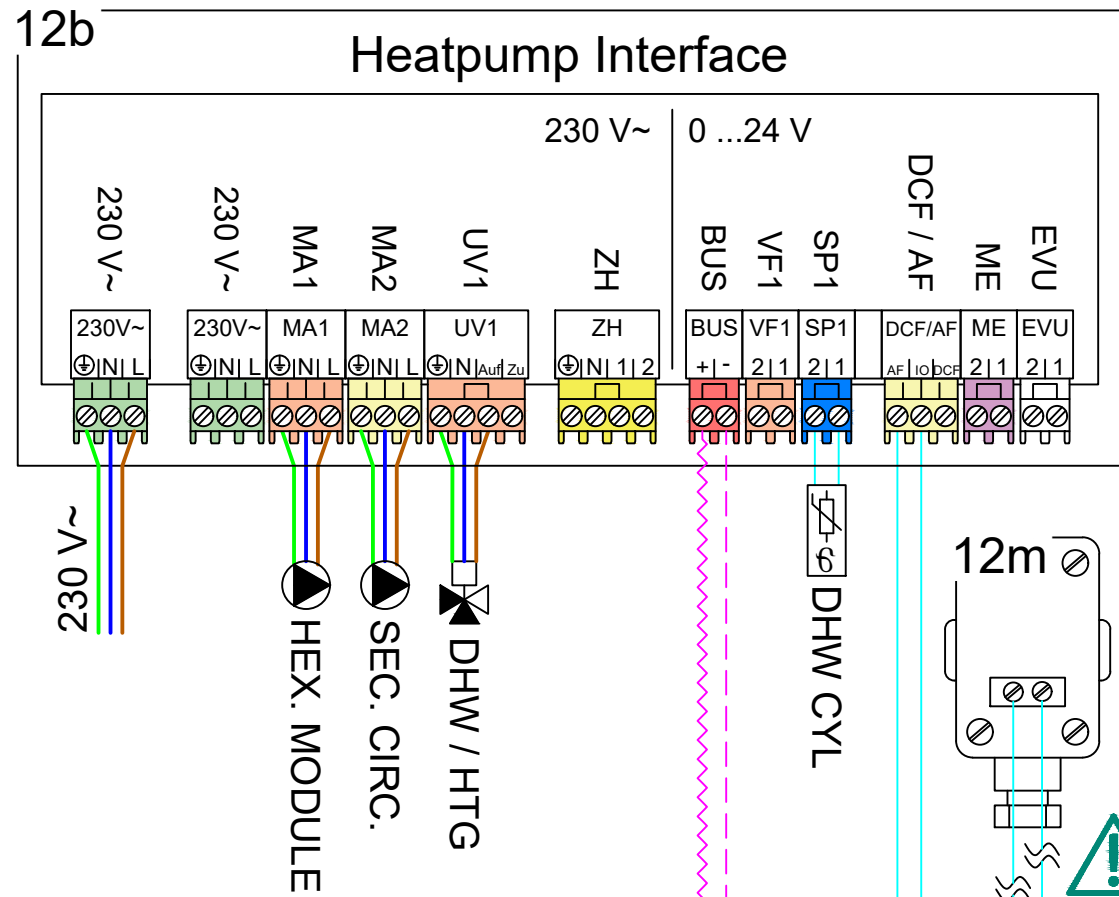
HTG. Circuit(s): 1x Radiator - Direct, 1x UHF - 3rd Party,

Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 3. Controls and outdoor sensor can be wired or wireless
 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30251-1012

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- 03e Secondary Circulation Pump
- 03f General Pump
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- 07h HEX. Module
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12b Heat Pump Interface
- 12e Wiring Centre - VR 71
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Reciever
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Circuit 2	
Adapt. heat curve:	Deactivated	Circuit type:	Heating
Hybrid manager:	Bivalence pt	OT switch-off threshold:	30°
Heating bivalence point:	-20°	Heat curve:	**Site specific
DHW bivalence point:	-20°	Min. target flow temperature:	15°
Alternative point:	Off	Max. target flow temperature:	45°
ESCO:	HP Off	Set-back mode:	Eco
Back-up boiler:	Off	Room temp. mod.:	Inactive
Conf. ext. input:	Open, deactiv.	Zone 1	
Basic system diagram config.		Zone activated:	Yes
Basic system diagram code:	10	Zone assignment:	Control
FM5 configuration:	3	Zone 2	
FM5 MO:	Not working	Zone activated:	Yes
HP control module configuration		Zone assignment:	No assignmt
MO 2:	Circulation pump	Domestic hot water	
Circuit 1		Cylinder:	Active
Circuit type:	Heating	Anti-legio. day:	**User preference
OT switch-off threshold:	30°	Anti-legio. time:	**User preference
Heat curve:	**Site specific	Cylinder charging offset:	15 K
Min. target flow temperature:	15°	Cyl. charg. anti-cycl. time:	5 min
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		

A	15/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E
		Immersion removed, secondary circulation pump added.	8,E

REV	DATE	DESCRIPTION	ZONE
		Domestic Cold Water	
		Domestic Hot Water	
		Heating Flow	
		Heating Return	
		Glycol Flow	
		Glycol Return	
		230/400V Wire	
		Low Voltage Sensor Wire	
		Low Voltage eBUS	BUS
		Low Voltage Demand Signal	
		eBUS +	
		eBUS -	
		Indicates Cable Junction	BUS
		Indicates No. of cable cores	3

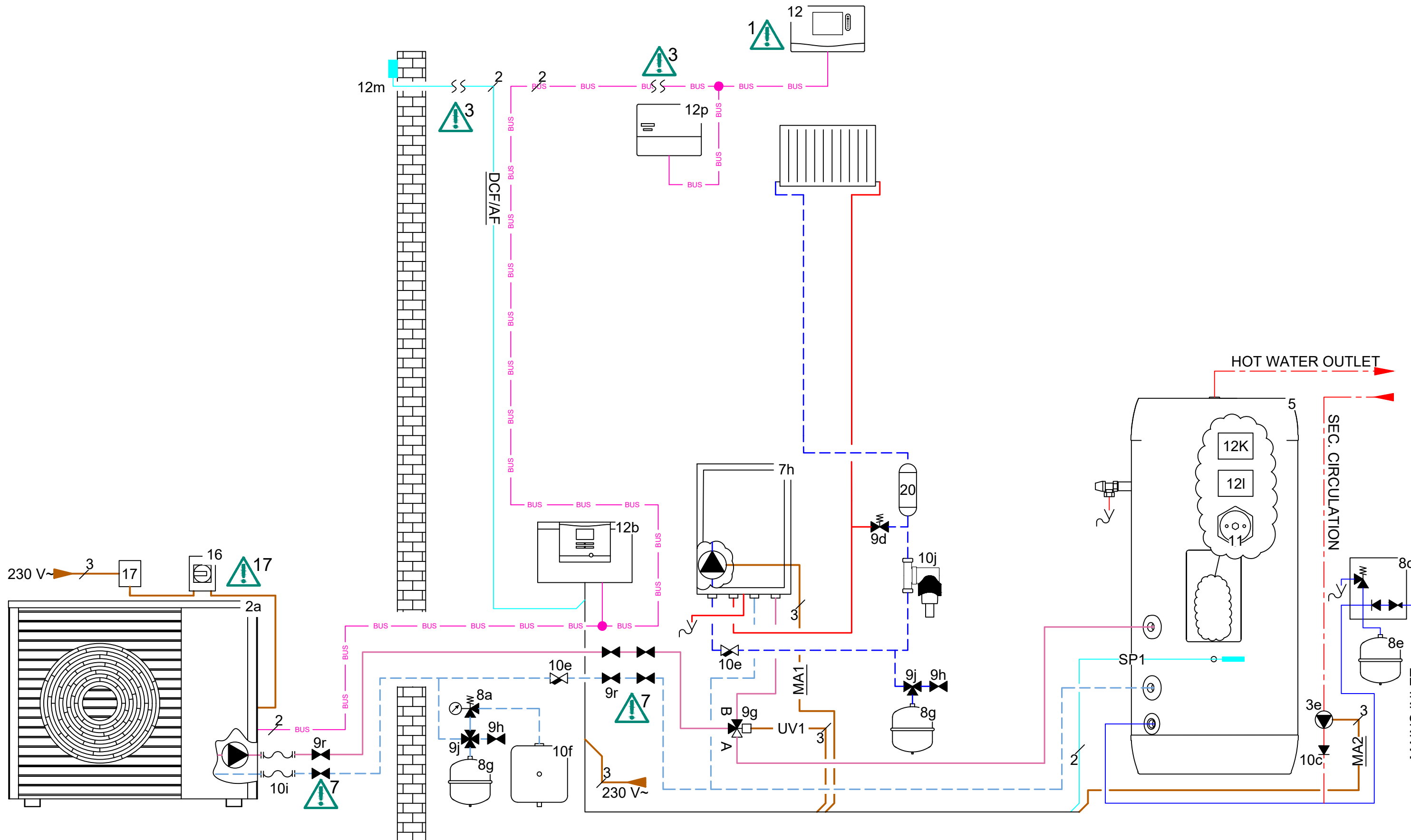
30130-1011



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.Rice

24/10/2022

REV: D

Appliance(s): aroTHERM Mono, Heat Ex. Module, Volumiser

Control(s): sensoCOMFORT

HTG. Circuit(s): 1x Radiator - Direct, ,

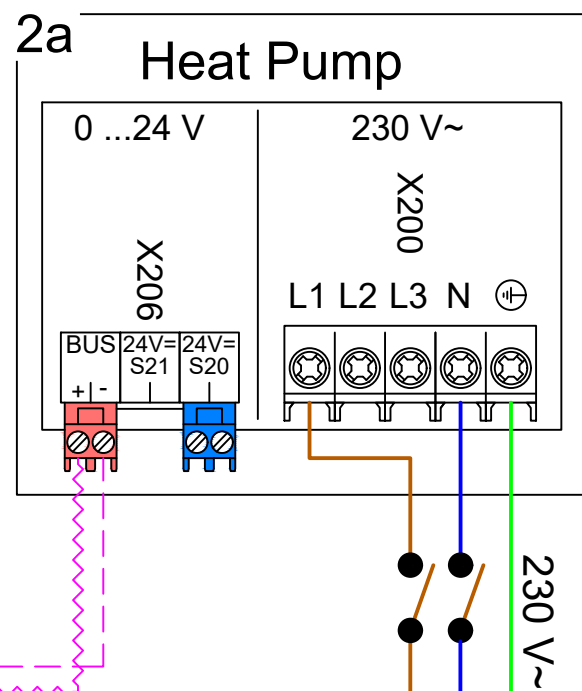
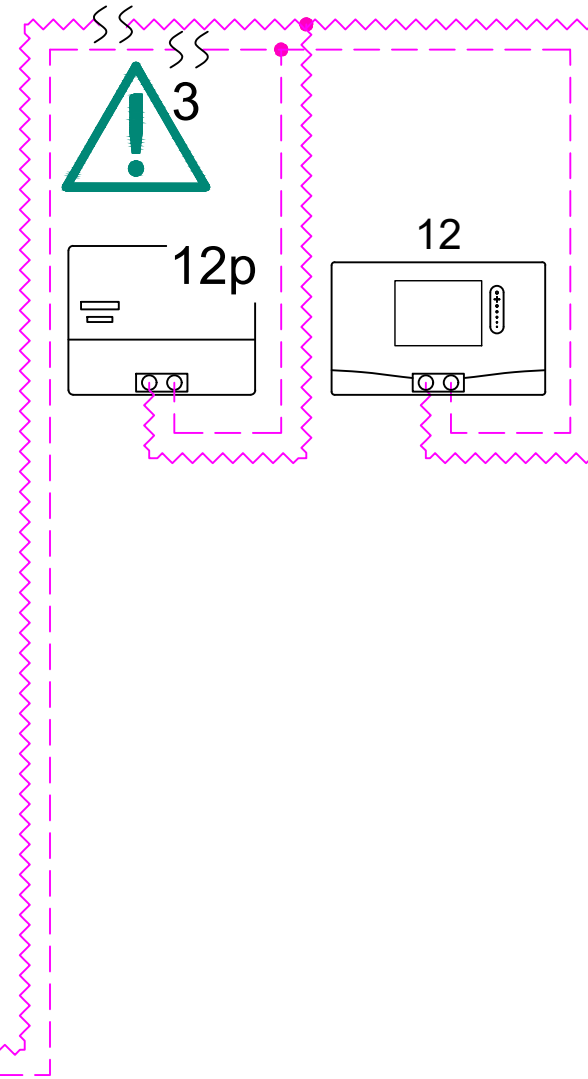
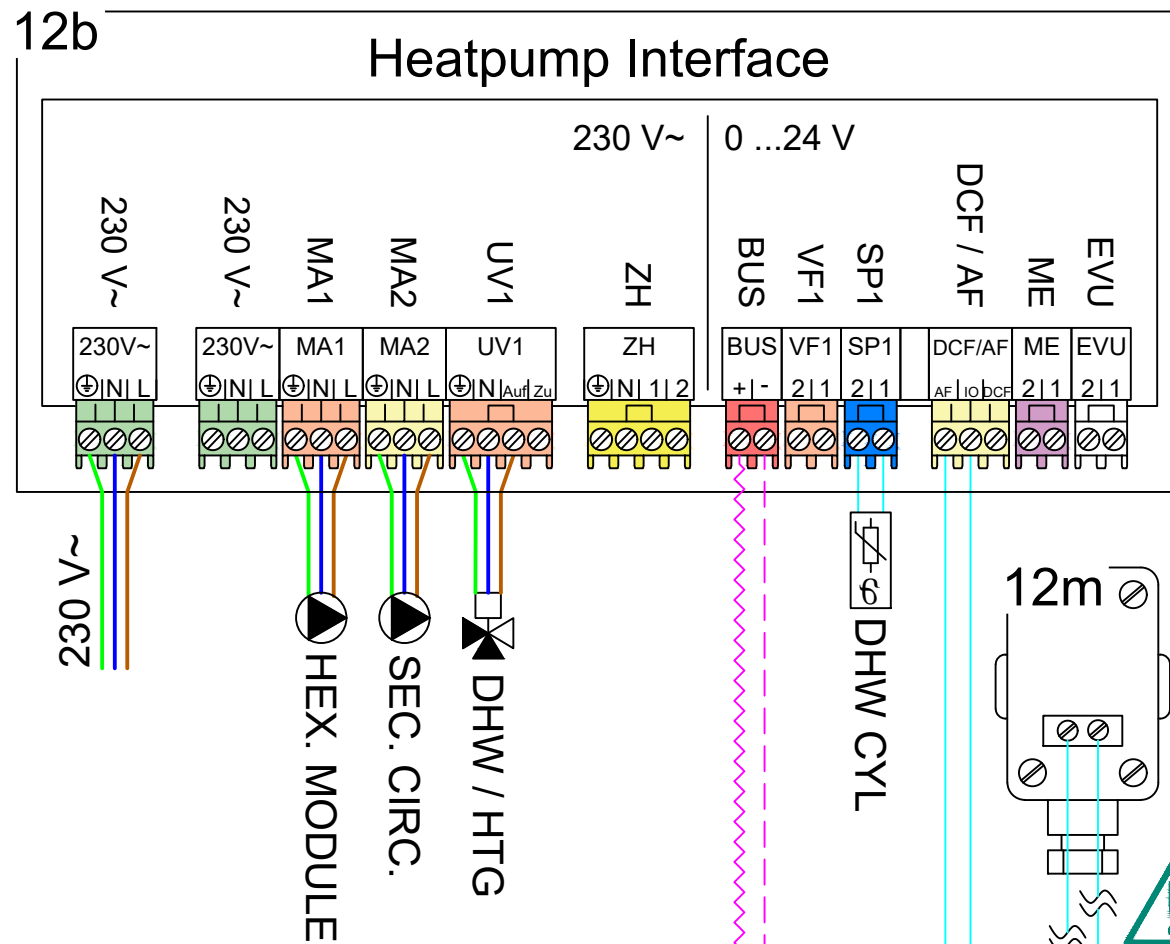
Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30130-1011

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- 02 aroTHERM Monoblock
- 03e Secondary Circulation Pump
- 05 uniSTOR DHW Cylinder
- 07h HEX. Module
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12b Heat Pump Interface
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Receiver
- 16 Rotary Isolator
- 17 Electric Meter
- 20 System Volumiser

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value
Installation	
Adapt. heat curve:	Deactivated
Hybrid manager:	Bivalence pt
Heating bivalence point:	-20°
DHW bivalence point:	-20°
Alternative point:	Off
ESCO:	HP Off
Back-up boiler:	Off
Basic system diagram config.	
Basic system diagram code:	10
HP control module configuration	
MO 2:	Circulation pump
Circuit 1	
Circuit type:	Heating
OT switch-off threshold:	30°
Heat curve:	**Site specific
Min. target flow temperature:	15°
Max. target flow temperature:	45°
Set-back mode:	Normal
Room temp. mod.:	Expanded
Zone 1	
Zone activated:	Yes
Zone assignment:	Control
Domestic hot water	
Cylinder:	Active
Anti-legio. day:	**User preference
Anti-legio. time:	**User preference
Cylinder charging offset:	15 K
Cyl. charg. anti-cycl. time:	5 min

A	15/06/2020	Electric Meter & rotary isolation added to outdoor module. Immersion removed, secondary circulation pump added.
B	11/02/2021	VF1 (HEX. Module) flow sensor removed.

REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

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Drawn: A.Rice

Appliance(s): aroTHERM Mono, Heat Ex. Module, Volumiser

HTG. Circuit(s): 1x Radiator - Direct ,

24/10/2022

REV: D

Control(s): sensoCOMFORT

Domestic Hot Water: 1x Cylinder

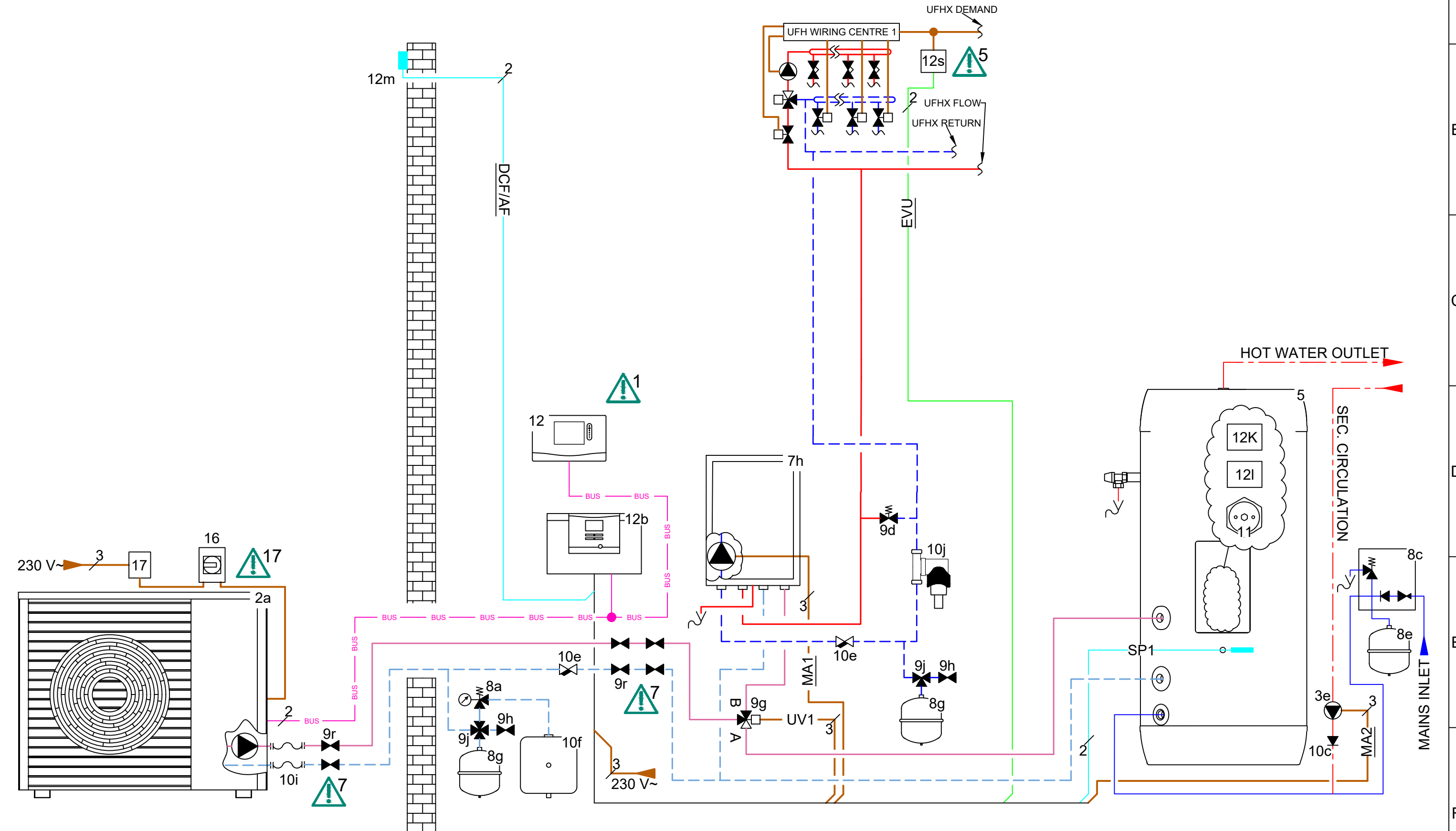
30131-1011



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

19/10/2022

REV: C

Appliance(s): aroTHERM Mono, Heat Ex. Module

Control(s): VRC 720

HTG. Circuit(s): 1x UFH(X) - 3rd Party, .

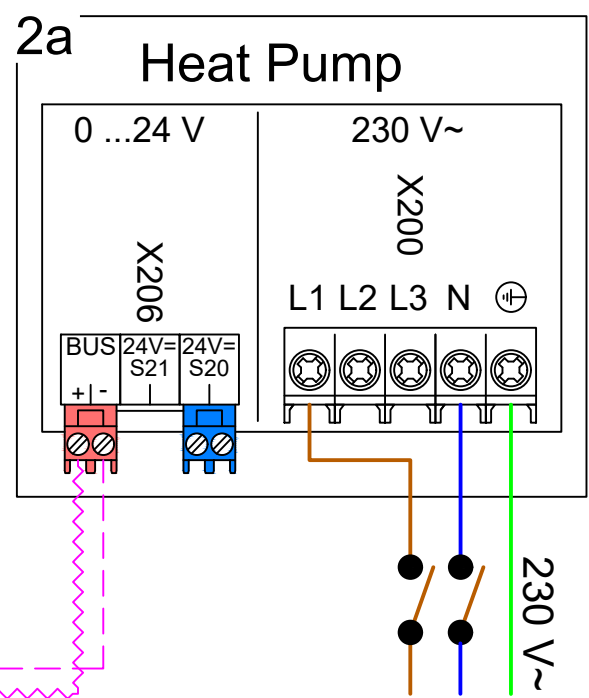
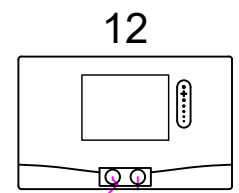
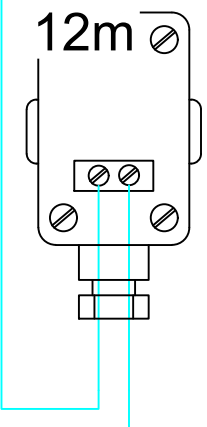
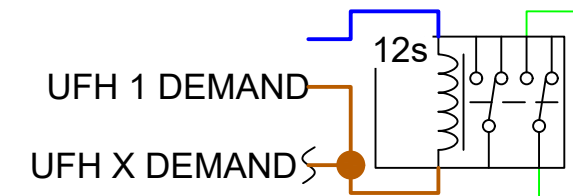
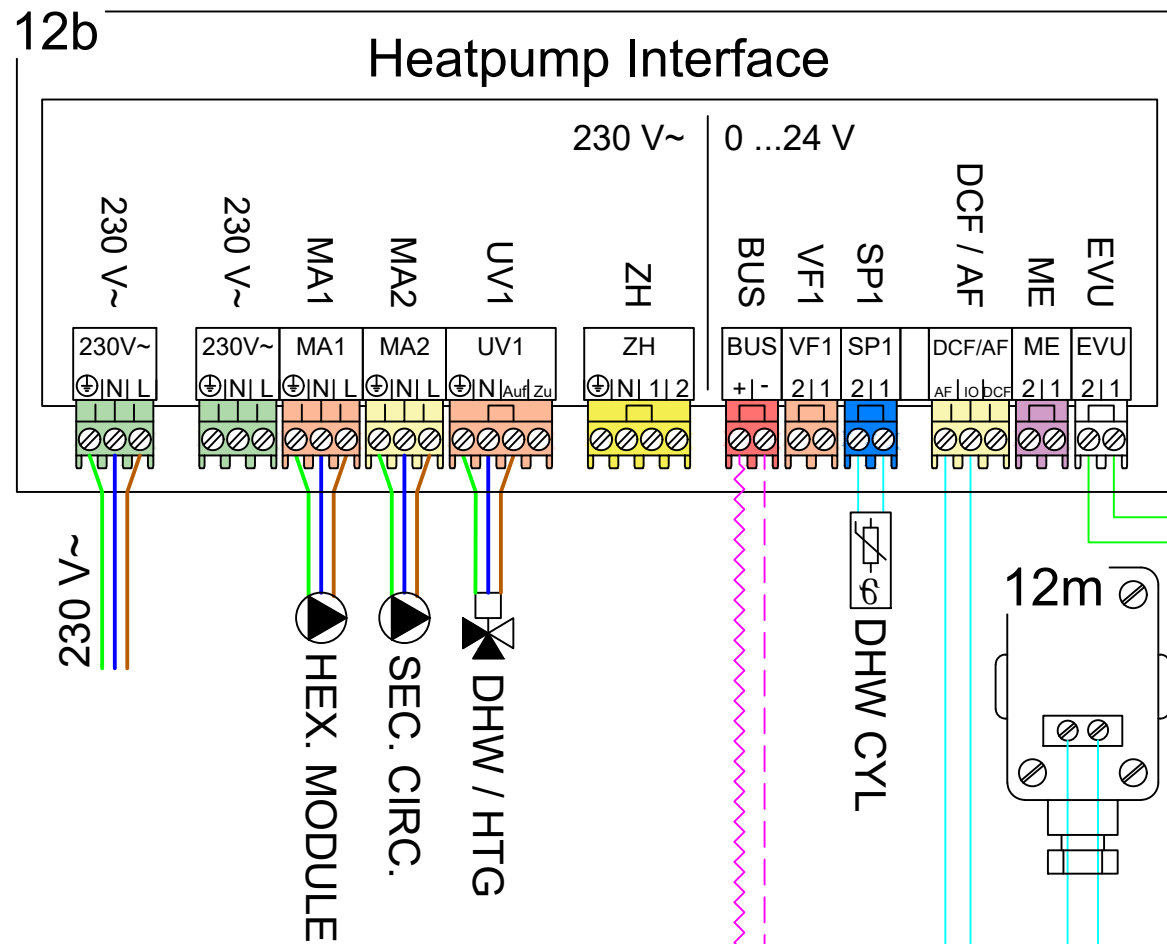
Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30131-1011

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- 02 aroTHERM Monoblock
- 03e Secondary Circulation Pump
- 05 uniSTOR DHW Cylinder
- 07h HEX. Module
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12b Heat Pump Interface
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12s DPDT Relay (3rd Party)
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Domestic hot water	
Adapt. heat curve:	Deactivated	Cylinder:	Active
Hybrid manager:	Bivalence pt	Anti-legio. day:	**User preference
Heating bivalence point:	-20°	Anti-legio. time:	**User preference
DHW bivalence point:	-20°	Cylinder charging offset:	15 K
Alternative point:	Off	Cyl. charg. anti-cycl. time:	5 min
ESCO:	Heating off		
Back-up boiler:	Off		
Basic system diagram config.			
Basic system diagram code:	10		
HP control module configuration			
MO 2:	Circulation pump		
Circuit 1			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Eco		
Room temp. mod.:	Inactive		
Zone 1			
Zone activated:	Yes		
Zone assignment:	No assignmt		

A	15/06/2020	Electric Meter & rotary isolation added to outdoor module.
		Immersion removed, secondary circulation pump added.

B	11/02/2021	VF1 (HEX. Module) flow sensor removed.
---	------------	--

REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Heat Ex. Module

HTG. Circuit(s): 1x UFH(X) - 3rd Party, ,

19/10/2022

REV: C

Control(s): VRC 720

Domestic Hot Water: 1x Cylinder

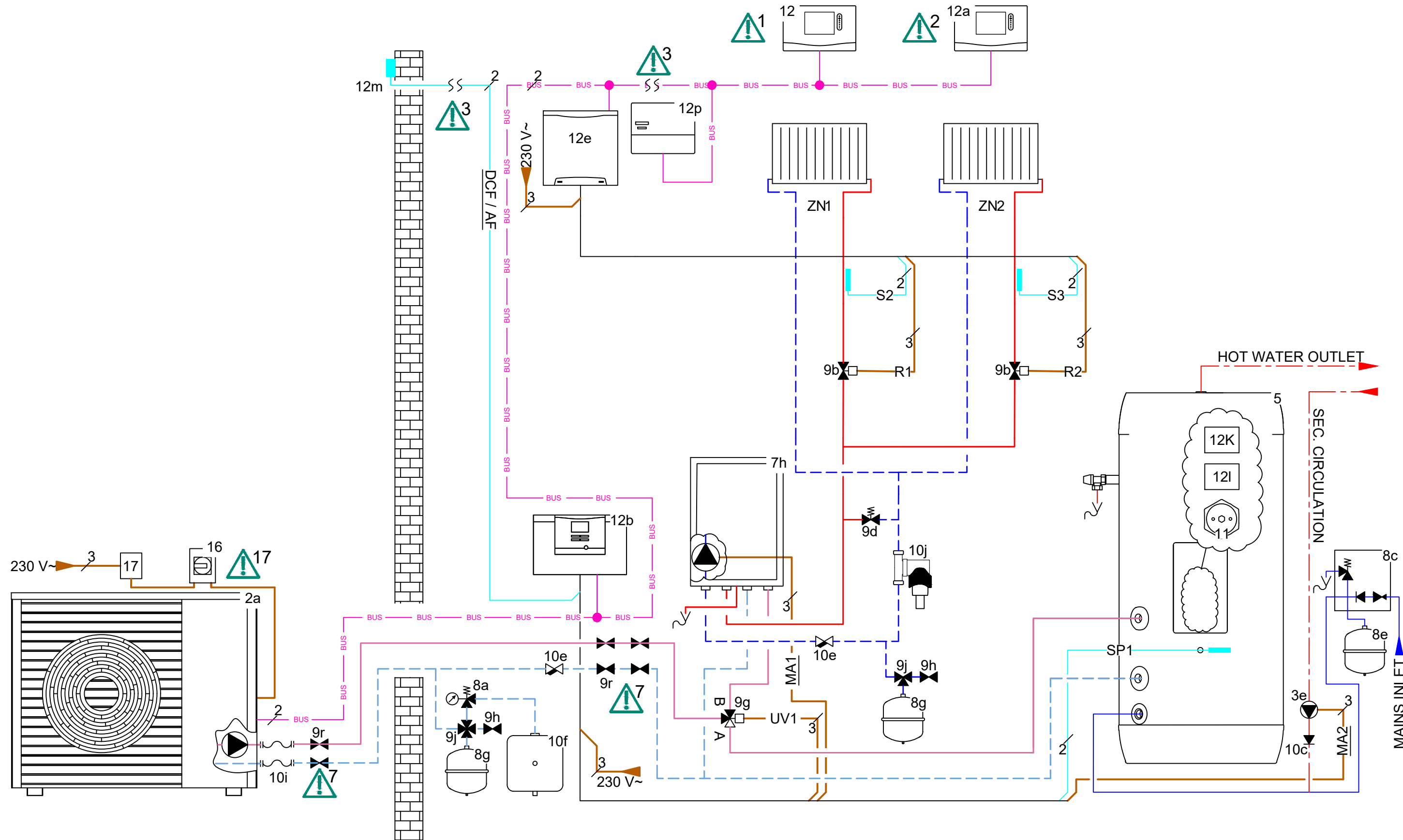
30140-1012



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 2. Set VR92 remote address to its zone number - 1
eg. If VR92 is in zone 3, then remote address must be set to 2.

- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters
- 17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.Rice

24/10/2022

REV: C

Appliance(s): aroTHERM Mono, Heat Ex. Module

Control(s): sensoCOMFORT, VR 92

HTG. Circuit(s): 2x Radiator - Direct ,

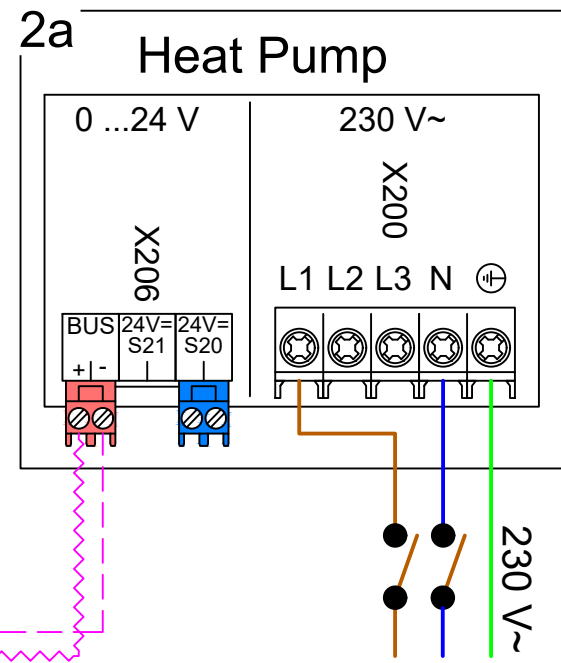
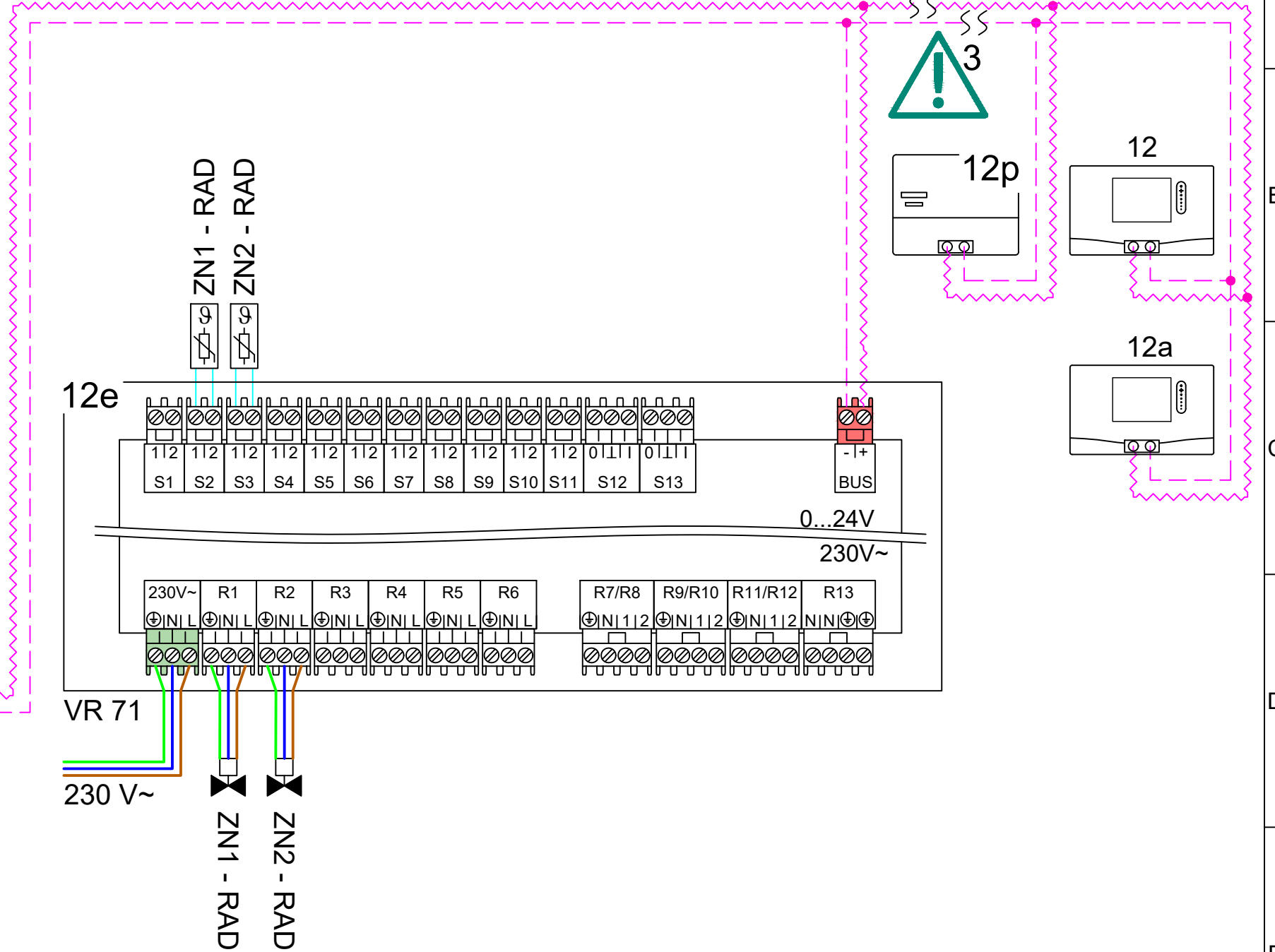
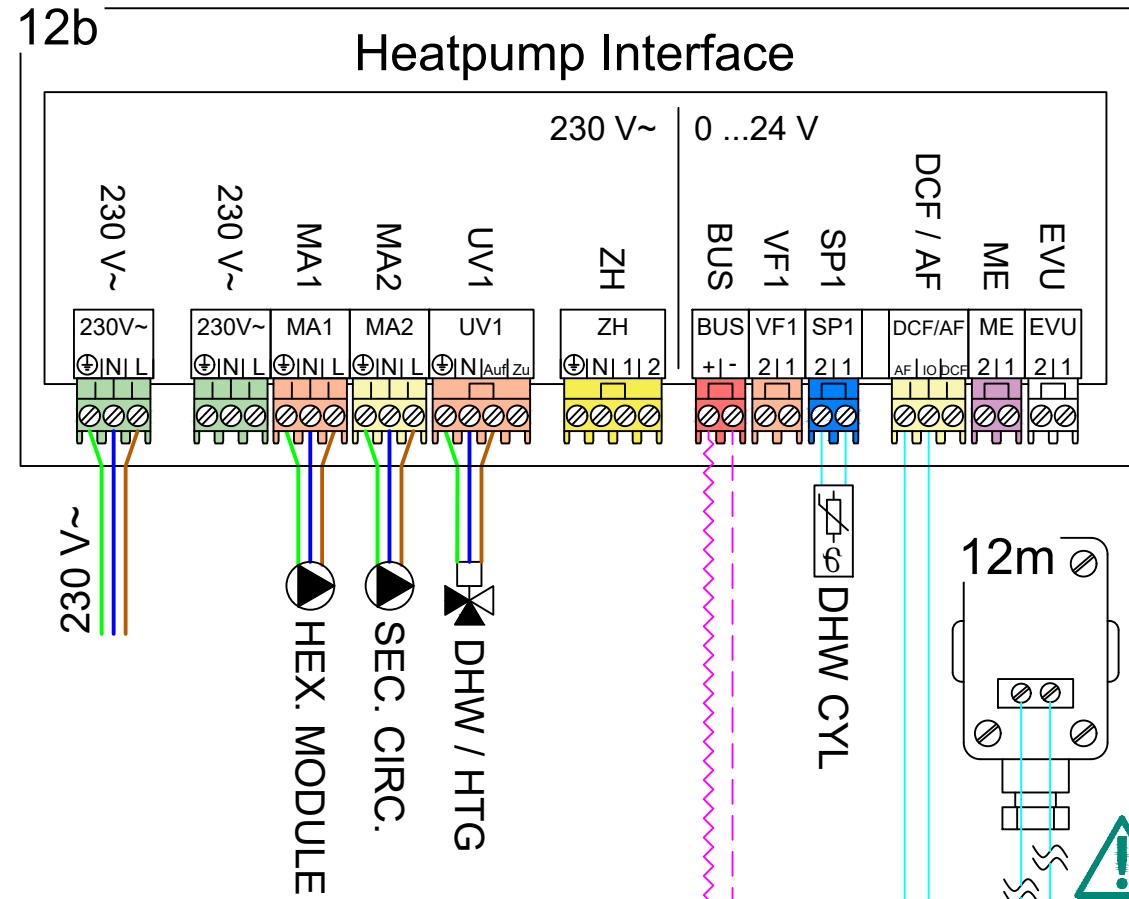
Domestic Hot Water: 1x Cylinder

30140-1012



- See page 2 for detailed wiring.
1. See page 3 for relevant controller system configuration settings.
 2. Set VR92 remote address to its zone number - 1
eg. If VR92 is in zone 3, then remote address must be set to 2.

3. Controls and outdoor sensor can be wired or wireless
7. Optional for Heat Meters
17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.Rice

24/10/2022

REV: C

Appliance(s): aroTHERM Mono, Heat Ex. Module

Control(s): sensoCOMFORT, VR 92

HTG. Circuit(s): 2x Radiator - Direct ,

Domestic Hot Water: 1x Cylinder

30140-1012

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- 03e Secondary Circulation Pump
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- 07h HEX. Module
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12a VR92
- 12b Heat Pump Interface
- 12e Wiring Centre - VR 71
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Reciever
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Circuit 2	
Adapt. heat curve:	Deactivated	Circuit type:	Heating
Hybrid manager:	Bivalence pt	OT switch-off threshold:	30°
Heating bivalence point:	-20°	Heat curve:	**Site specific
DHW bivalence point:	-20°	Min. target flow temperature:	15°
Alternative point:	Off	Max. target flow temperature:	45°
ESCO:	HP Off	Set-back mode:	Normal
Back-up boiler:	Off	Room temp. mod.:	Expanded
Conf. ext. input:	Bridge, deactiv.	Zone 1	
Basic system diagram config.		Zone activated:	Yes
Basic system diagram code:	10	Zone assignment:	Control
FM3 configuration:	3	Zone 2	
FM3 MO:	Not working	Zone activated:	Yes
HP control module configuration		Zone assignment:	Rem. contr. 1
MO 2:	Circulation pump	Domestic hot water	
Circuit 1		Cylinder:	Active
Circuit type:	Heating	Anti-legio. day:	**User preference
OT switch-off threshold:	30°	Anti-legio. time:	**User preference
Heat curve:	**Site specific	Cylinder charging offset:	15 K
Min. target flow temperature:	15°	Cyl. charg. anti-cycl. time:	5 min
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		

A	15/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E
		Immersion removed, secondary circulation pump added.	8,E

REV	DATE	DESCRIPTION	ZONE
-----	------	-------------	------

Domestic Cold Water	
Domestic Hot Water	
Heating Flow	
Heating Return	
Glycol Flow	
Glycol Return	

230/400V Wire	
Low Voltage Sensor Wire	
Low Voltage eBUS	
Low Voltage Demand Signal	
eBUS +	
eBUS -	

Indicates Cable Junction		BUS
Indicates No. of cable cores		3

30141-1012

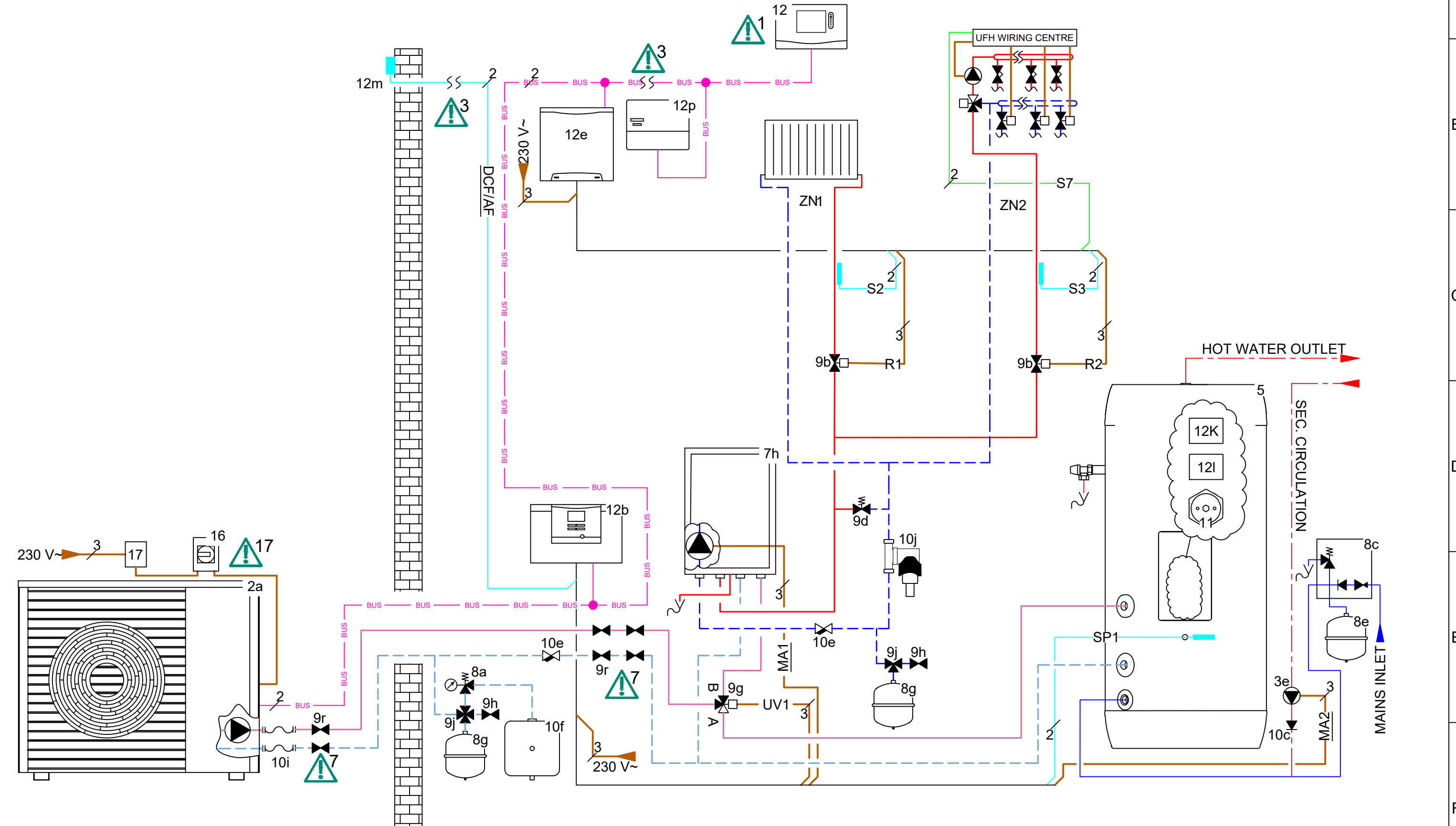


-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless.
- 4. Link required (not factory fitted).

7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Heat Ex. Module

HTG. Circuit(s): 1x Radiator - Direct, 1x UFG - 3rd Party,

24/10/2022

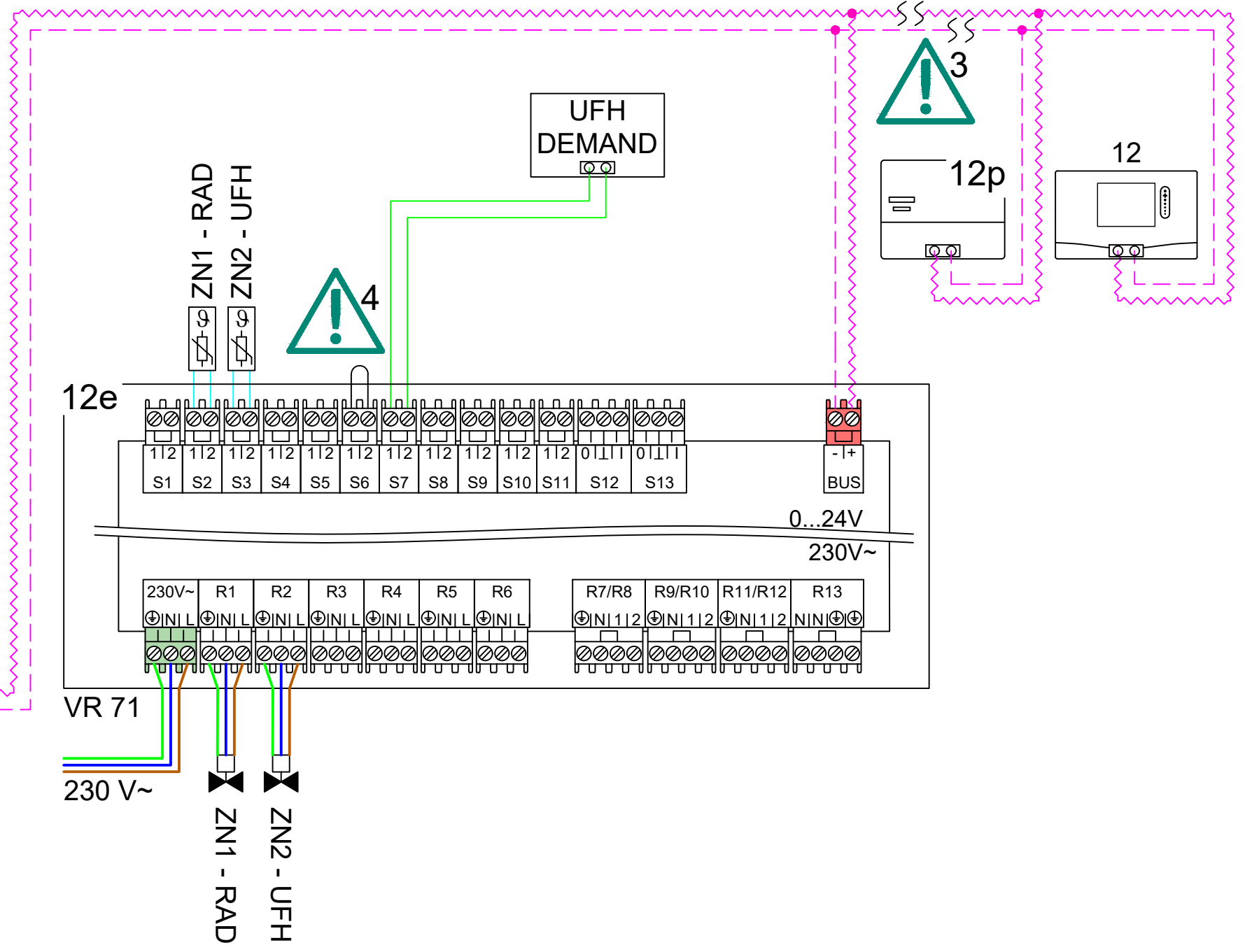
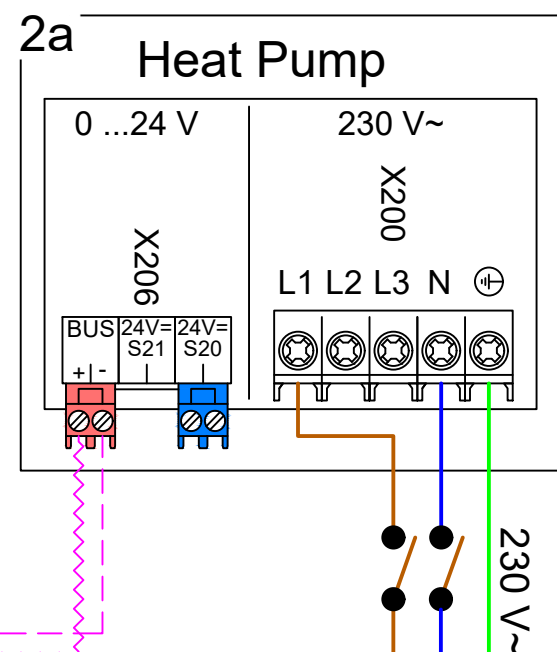
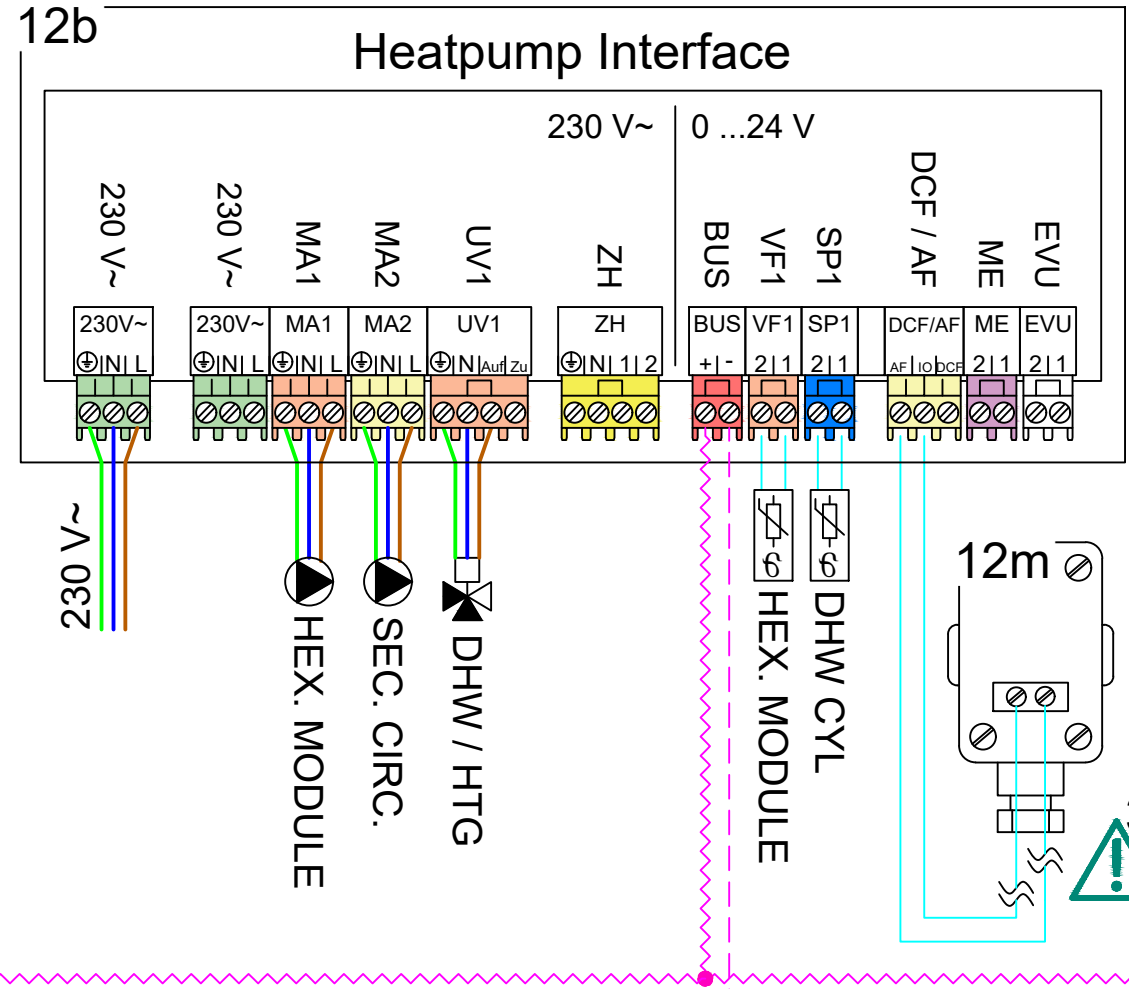
REV: A

Control(s): sensoCOMFORT

Domestic Hot Water: 1x Cylinder

! -See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 3. Controls and outdoor sensor can be wired or wireless.
 4. Link required (not factory fitted).

7. Optional for Heat Meters
 17. Rotary Isolator must be situated outside of the Protective Zone



30141-1012

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- 03e Secondary Circulation Pump
- 05 uniSTOR DHW Cylinder
- 07h HEX. Module
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12b Heat Pump Interface
- 12e Wiring Centre - VR 71
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Receiver
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Circuit 2	
Adapt. heat curve:	Deactivated	Circuit type:	Heating
Hybrid manager:	Bivalence pt	OT switch-off threshold:	30°
Heating bivalence point:	-20°	Heat curve:	**Site specific
DHW bivalence point:	-20°	Min. target flow temperature:	15°
Alternative point:	Off	Max. target flow temperature:	45°
ESCO:	HP Off	Set-back mode:	Eco
Back-up boiler:	Off	Room temp. mod.:	Inactive
Conf. ext. input:	Open, deactiv.	Zone 1	
Basic system diagram config.		Zone activated:	Yes
Basic system diagram code:	10	Zone assignment:	Control
FM5 configuration:	3	Zone 2	
FM5 MO:	Not working	Zone activated:	Yes
HP control module configuration		Zone assignment:	No assignmt
MO 2:	Circulation pump	Domestic hot water	
Circuit 1		Cylinder:	Active
Circuit type:	Heating	Anti-legio. day:	**User preference
OT switch-off threshold:	30°	Anti-legio. time:	**User preference
Heat curve:	**Site specific	Cylinder charging offset:	15 K
Min. target flow temperature:	15°	Cyl. charg. anti-cycl. time:	5 min
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		

A	15/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E
		Immersion removed, secondary circulation pump added.	8,E

REV	DATE	DESCRIPTION	ZONE
		Domestic Cold Water	
		Domestic Hot Water	
		Heating Flow	
		Heating Return	
		Glycol Flow	
		Glycol Return	
		230/400V Wire	
		Low Voltage Sensor Wire	
		Low Voltage eBUS	
		Low Voltage Demand Signal	
		eBUS +	
		eBUS -	
		Indicates Cable Junction	
		Indicates No. of cable cores	

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Heat Ex. Module

HTG. Circuit(s): 1x Radiator - Direct, 1x UFH - 3rd Party,

24/10/2022

REV: A

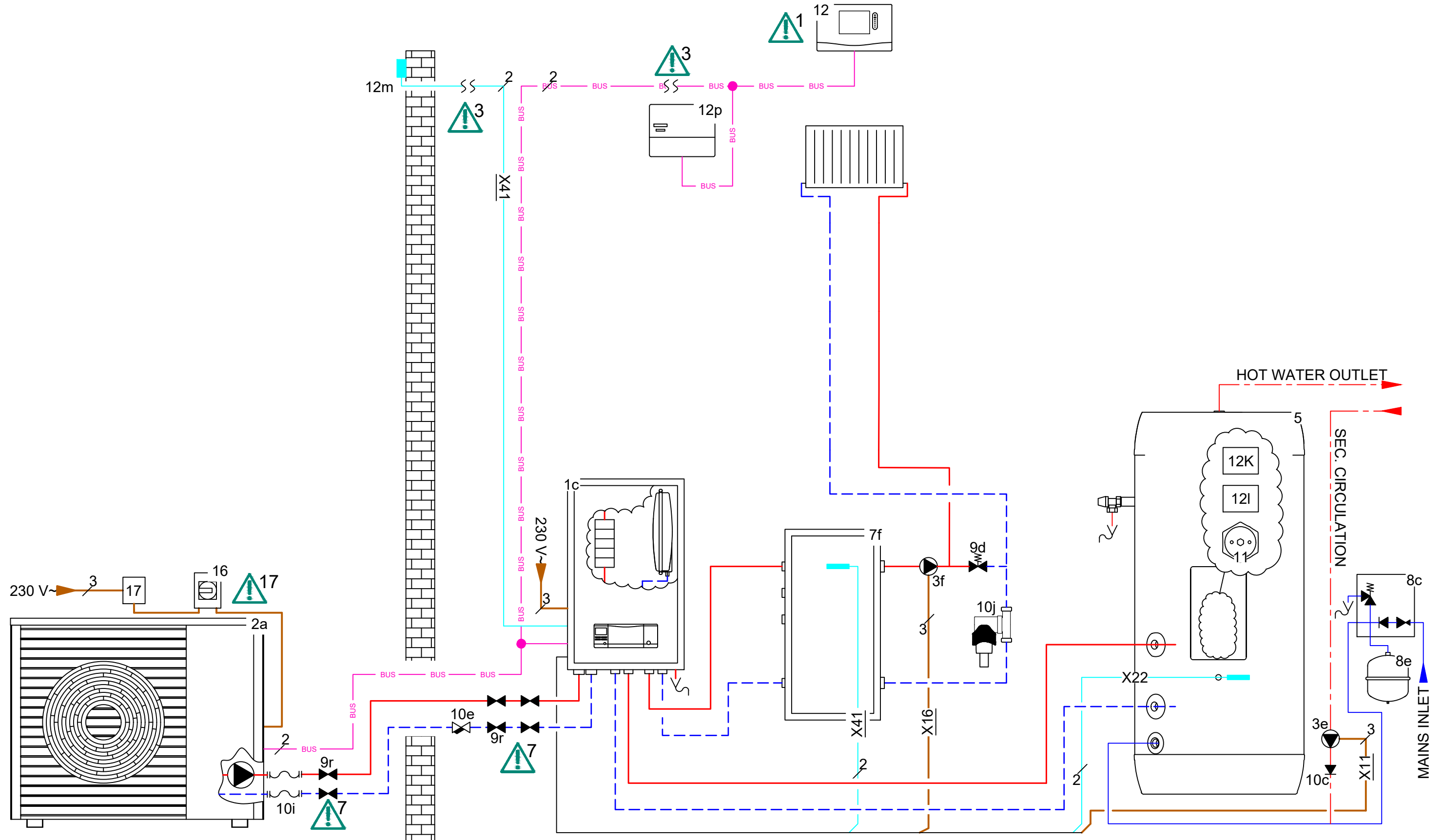
Control(s): sensoCOMFORT

Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 3. Controls and outdoor sensor can be wired or wireless
 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE
 22/07/2022 REV: C

Appliance(s): aroTHERM Mono, Hydraulic Station, Buffer (45/100L)
 Control(s): sensoCOMFORT

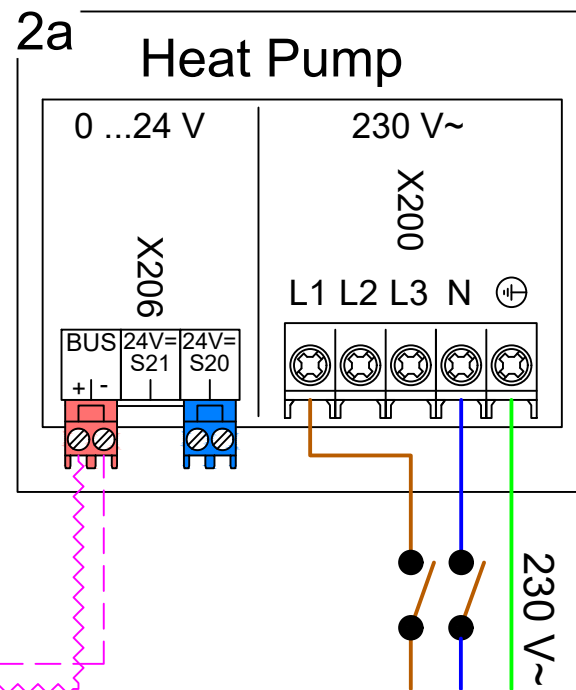
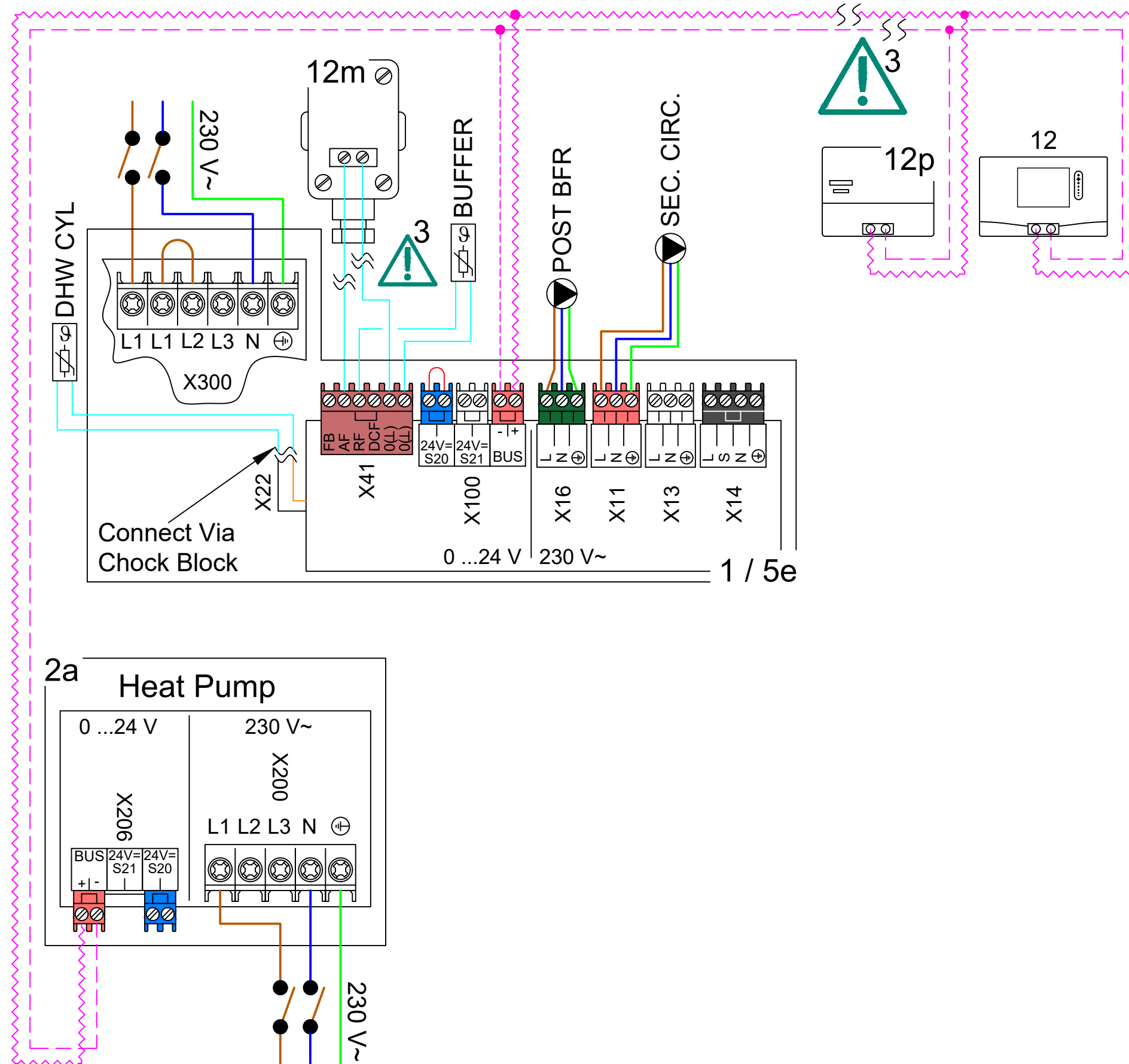
HTG. Circuit(s): 1x Radiator - Direct ,
 Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30160-1011

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- 01c Hydraulic Station
- 02 aroTHERM Monoblock
- 03e Secondary Circulation Pump
- 03f General Pump
- 05 uniSTOR DHW Cylinder
- 07f 45/100L Buffer
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 09d Bypass Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Reciever
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value
Installation	
Adapt. heat curve:	Deactivated
Hybrid manager:	Bivalence pt
Heating bivalence point:	-20°
DHW bivalence point:	-20°
Alternative point:	Off
ESCO:	HP Off
Back-up boiler:	Off
Conf. ext. input:	Bridge, deactiv.
Basic system diagram config.	
Basic system diagram code:	10
HP control module configuration	
MO 2:	Circulation pump
Circuit 1	
Circuit type:	Heating
OT switch-off threshold:	30°
Heat curve:	**Site specific
Min. target flow temperature:	15°
Max. target flow temperature:	45°
Set-back mode:	Normal
Room temp. mod.:	Expanded
Zone 1	
Zone activated:	Yes
Zone assignment:	Control
Domestic hot water	
Cylinder:	Active
Anti-legio. day:	**User preference
Anti-legio. time:	**User preference
Cylinder charging offset:	15 K
Cyl. charg. anti-cycl. time:	5 min

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.
B	11/02/2021	RF (Decoupler) flow sensor removed.

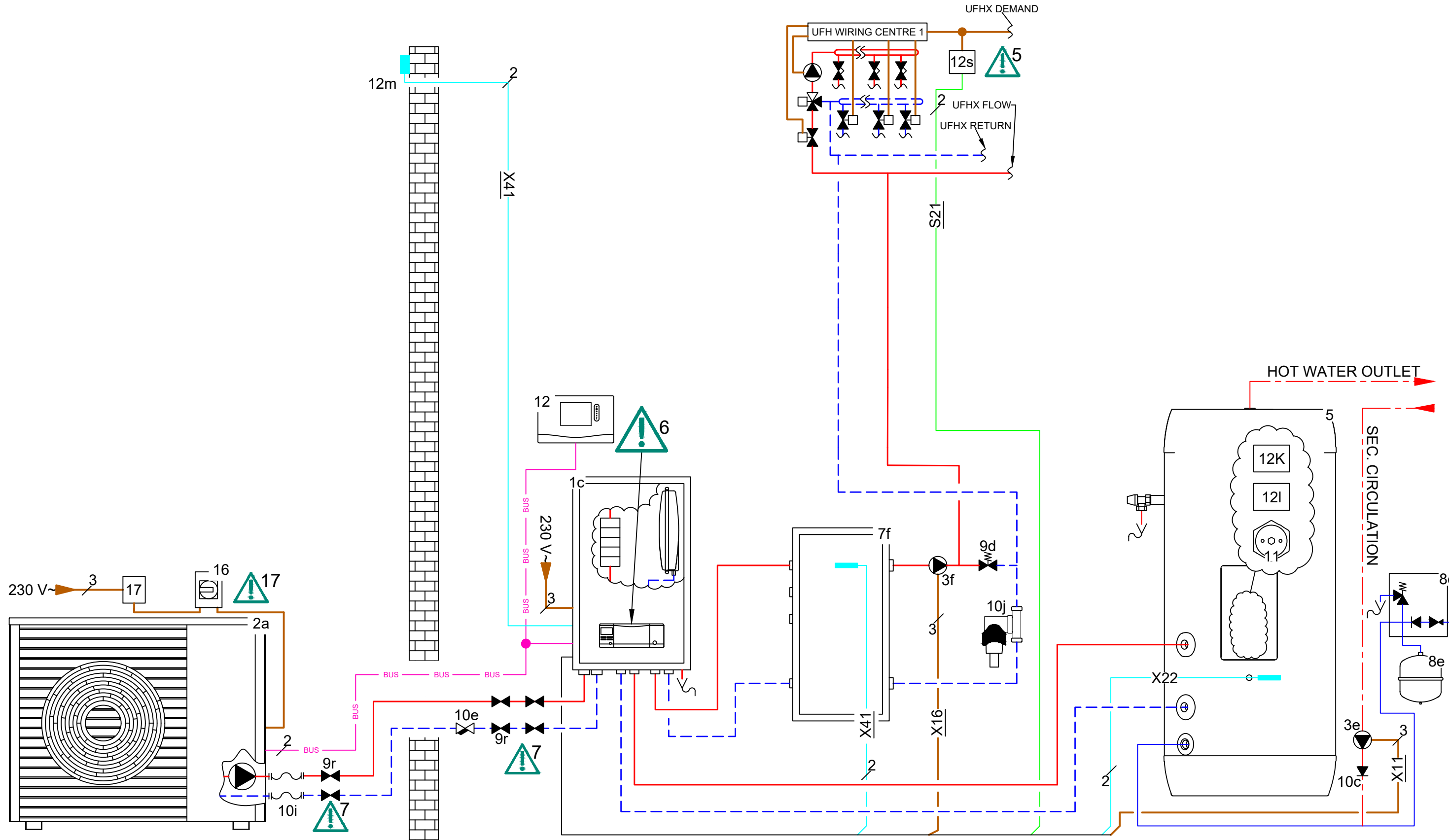
REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

30161-1011



-See page 2 for detailed wiring.
5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
6. Mount externally or to fascia
7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022

REV:

C

Appliance(s): aroTHERM Mono, Hydraulic Station, Buffer (45/100L)

Control(s): sensoCOMFORT VRC720

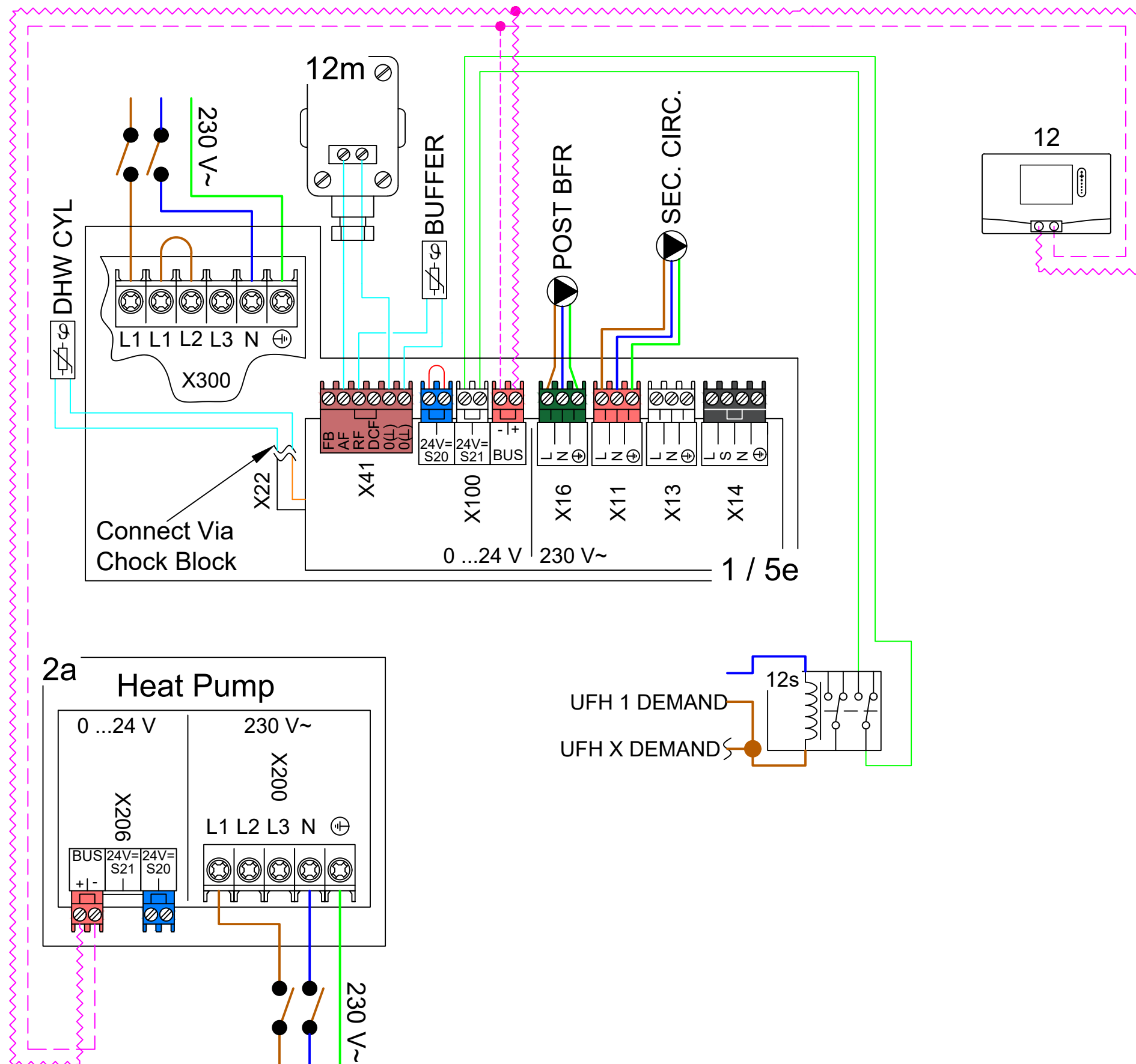
HTG. Circuit(s): 1x UFH(X) - 3rd Party, .

Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.
 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
 6. Mount externally or to fascia
 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30161-1011

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- 08e Heating / DHW Expansion Vessel
- 09d Bypass Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12s DPDT Relay (3rd Party)
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Domestic hot water	
Adapt. heat curve:	Deactivated	Cylinder:	Active
Hybrid manager:	Bivalence pt	Anti-legio. day:	**User preference
Heating bivalence point:	-20°	Anti-legio. time:	**User preference
DHW bivalence point:	-20°	Cylinder charging offset:	15 K
Alternative point:	Off	Cyl. charg. anti-cycl. time:	5 min
ESCO:	Heating off		
Back-up boiler:	Off		
Basic system diagram config.			
Basic system diagram code:	10		
HP control module configuration			
MO 2:	Circulation pump		
Circuit 1			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		
Zone 1			
Zone activated:	Yes		
Zone assignment:	Control		

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.
B	11/02/2021	RF (Decoupler) flow sensor removed.

REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Hydraulic Station, Buffer (45/100L)

HTG. Circuit(s): 1x UFH(X) - 3rd Party, ,

24/10/2022

REV: C

Control(s): sensoCOMFORT VRC720

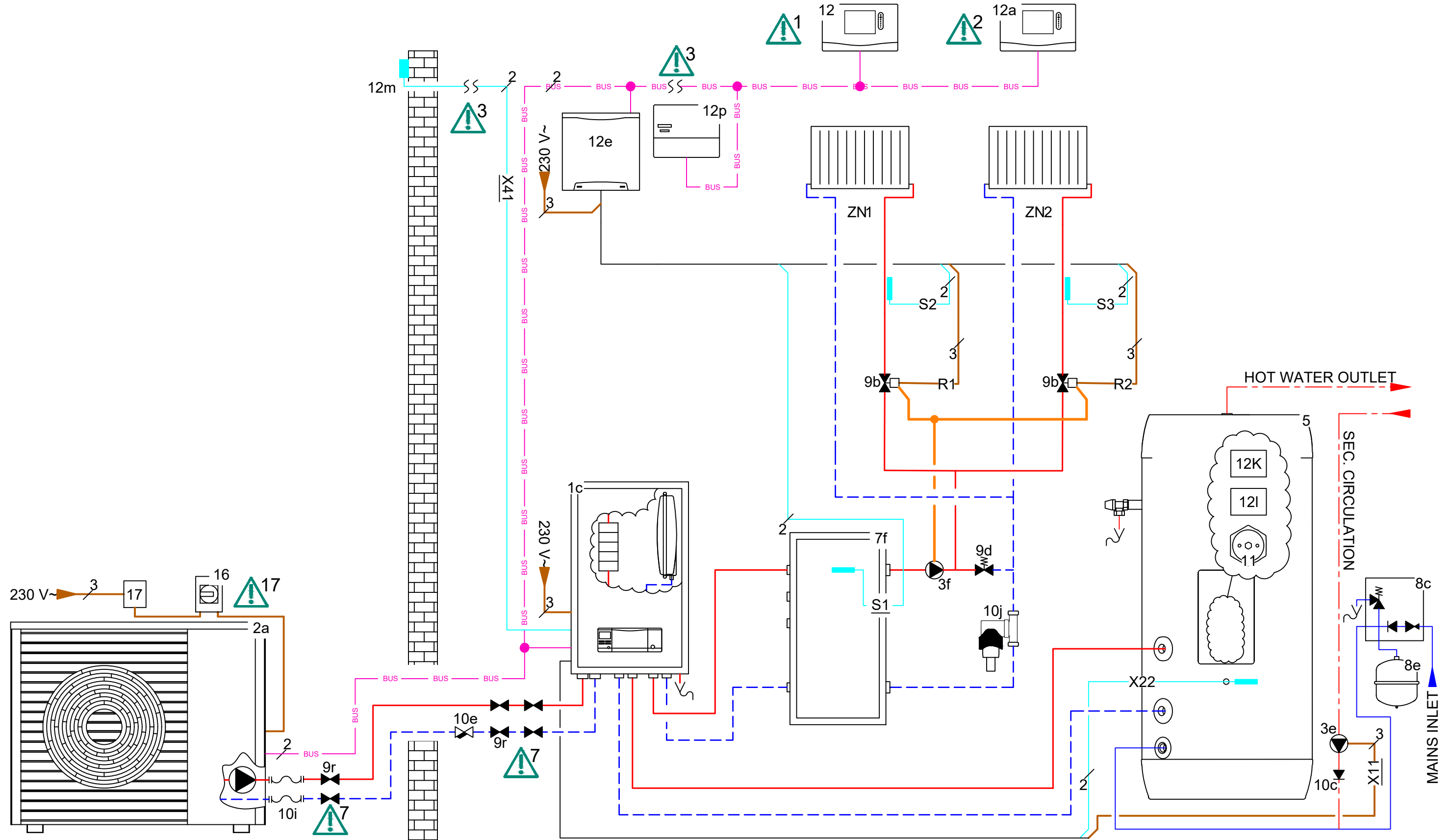
Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.

1. See page 3 for relevant controller system configuration settings.
2. Set VR92 remote address to its zone number - 1
eg. If VR92 is in zone 3, then remote address must be set to 2.

3. Controls and outdoor sensor can be wired or wireless
7. Optional for Heat Meters
17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

25/10/2022 REV: B

Appliance(s): aroTHERM Mono, Hydraulic Station, Buffer (45/100L)

Control(s): sensoCOMFORT

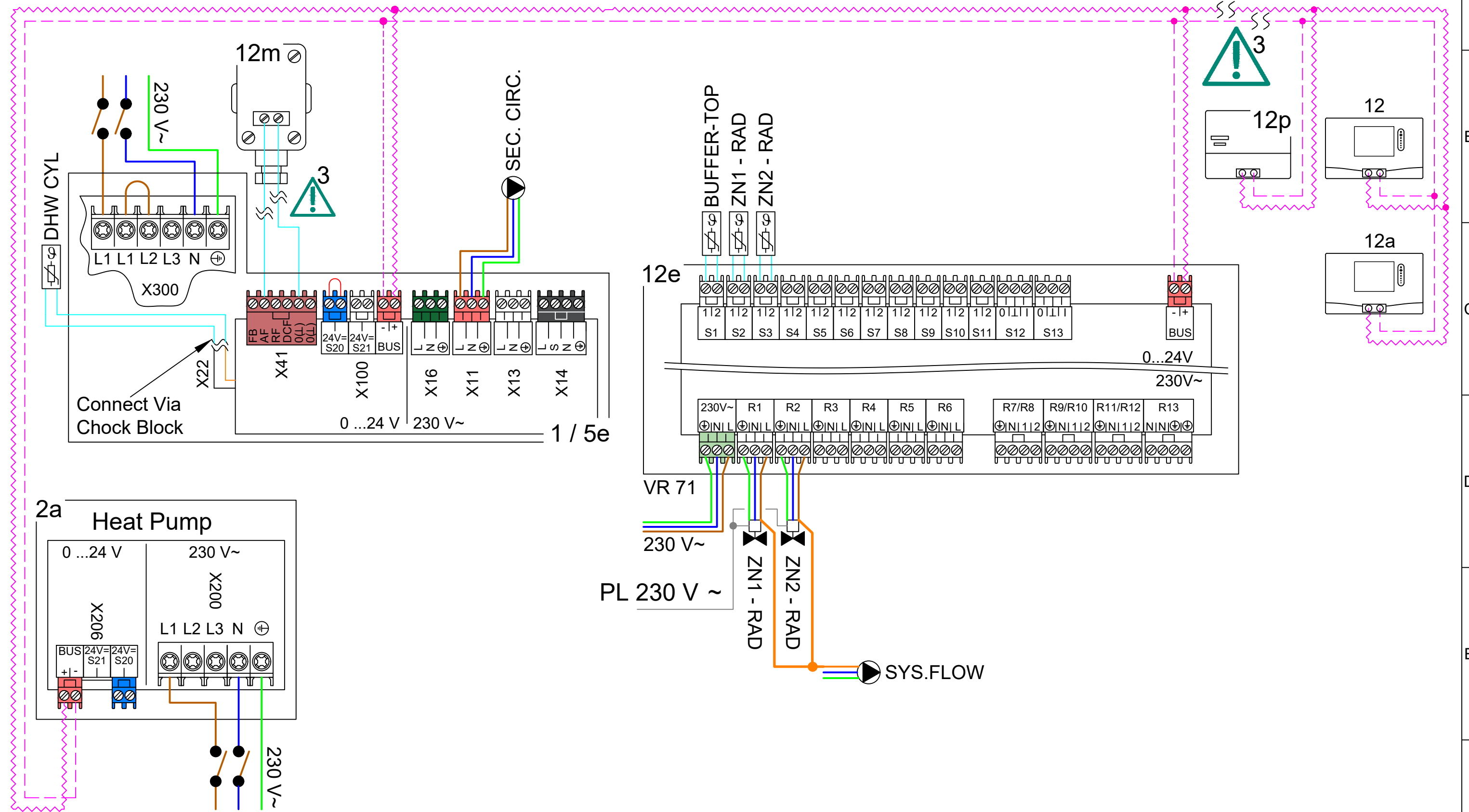
HTG. Circuit(s): 2x Radiator - Direct ,

Domestic Hot Water: 1x Cylinder

30170-1012

- ⚠ -See page 2 for detailed wiring.**
1. See page 3 for relevant controller system configuration settings.
 2. Set VR92 remote address to its zone number - 1
eg. If VR92 is in zone 3, then remote address must be set to 2.

3. Controls and outdoor sensor can be wired or wireless
7. Optional for Heat Meters
17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

25/10/2022

REV: B

Appliance(s): aroTHERM Mono, Hydraulic Station, Buffer (45/100L)

Control(s): sensoCOMFORT

HTG. Circuit(s): 2x Radiator - Direct ,

Domestic Hot Water: 1x Cylinder

30170-1012

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- 03e Secondary Circulation Pump
- 03f General Pump
- 05 uniSTOR DHW Cylinder
- 07f 45/100L Buffer
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12a VR92
- 12e Wiring Centre - VR 71
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Receiver
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Zone 1	
Adapt. heat curve:	Deactivated	Zone activated:	Yes
Hybrid manager:	Bivalence pt	Zone assignment:	Control
Heating bivalence point:	-20°	Zone 2	
DHW bivalence point:	-20°	Zone activated:	Yes
Alternative point:	Off	Zone assignment:	Rem. contr. 1
ESCO:	HP Off	Domestic hot water	
Back-up boiler:	Off	Cylinder:	Active
Conf. ext. input:	Bridge, deactiv.	Anti-legio. day:	**User preference
Basic system diagram config.		Anti-legio. time:	**User preference
Basic system diagram code:	10	Cylinder charging offset:	15 K
HP control module configuration		Cyl. charg. anti-cycl. time:	5 min
MO 2:	Circulation pump		
Circuit 1			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		
Circuit 2			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		

REV	DATE	DESCRIPTION	ZONE
A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E

30171-1012

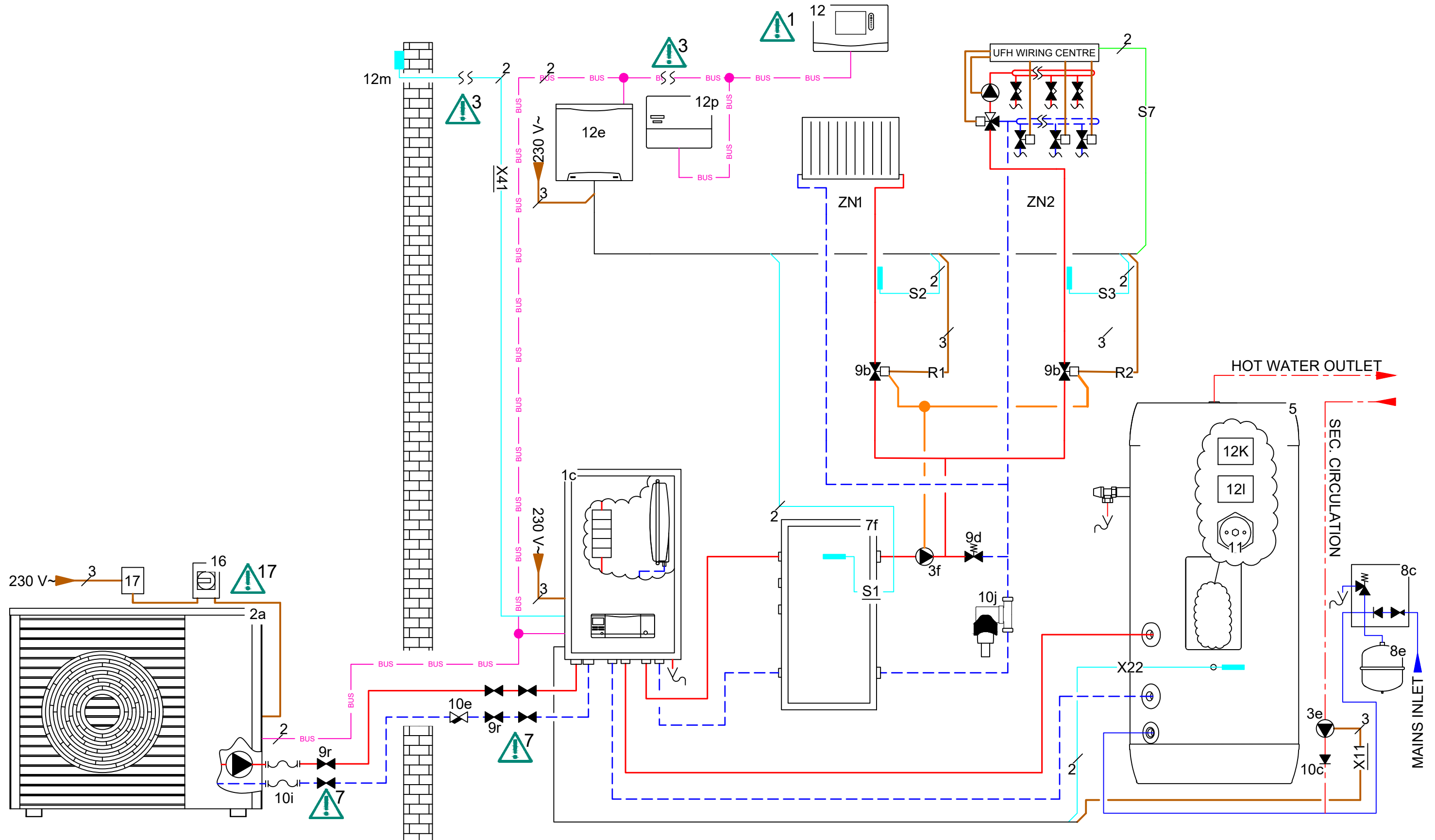


-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 4. Link required (not factory fitted).

7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022 REV: B

Appliance(s): aroTHERM Mono, Hydraulic Station, Buffer (45/100L)

Control(s): sensoCOMFORT

HTG. Circuit(s): 1x Radiator - Direct, 1x UFH(X) - 3rd Party,

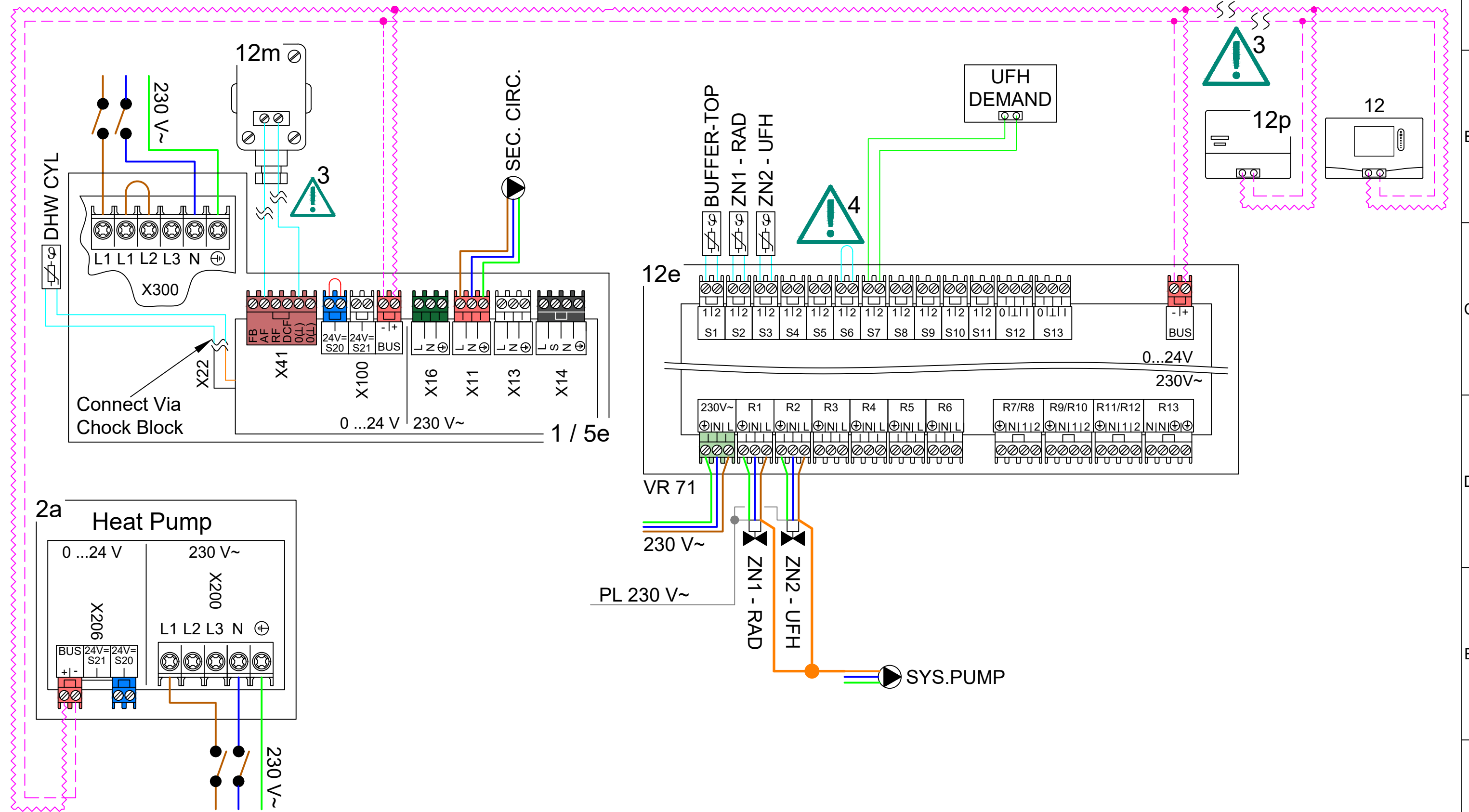
Domestic Hot Water: 1x Cylinder

30171-1012



-See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 3. Controls and outdoor sensor can be wired or wireless
 4. Link required (not factory fitted).

7. Optional for Heat Meters
 17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022

REV:

B

Appliance(s): aroTHERM Mono, Hydraulic Station, Buffer (45/100L)

Control(s): sensoCOMFORT

HTG. Circuit(s): 1x Radiator - Direct, 1x UFH(X) - 3rd Party,

Domestic Hot Water: 1x Cylinder

30171-1012

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- 07f 45/100L Buffer
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12e Wiring Centre - VR 71
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Reciever
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Zone 1	
Adapt. heat curve:	Deactivated	Zone activated:	Yes
Hybrid manager:	Bivalence pt	Zone assignment:	Control
Heating bivalence point:	-20°	Zone 2	
DHW bivalence point:	-20°	Zone activated:	Yes
Alternative point:	Off	Zone assignment:	No assignmt
ESCO:	HP Off	Domestic hot water	
Back-up boiler:	Off	Cylinder:	Active
Conf. ext. input:	Open, deactiv.	Anti-legio. day:	**User preference
Basic system diagram config.		Anti-legio. time:	**User preference
Basic system diagram code:	10	Cylinder charging offset:	15 K
HP control module configuration		Cyl. charg. anti-cycl. time:	5 min
MO 2:	Circulation pump		
Circuit 1			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		
Circuit 2			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Eco		
Room temp. mod.:	Inactive		

REV	DATE	DESCRIPTION	ZONE
A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E
Domestic Cold Water			
Domestic Hot Water			
Heating Flow			
Heating Return			
Glycol Flow			
Glycol Return			
230/400V Wire			
Low Voltage Sensor Wire			
Low Voltage eBUS			
Low Voltage Demand Signal			
eBUS +			
eBUS -			
Indicates Cable Junction			
Indicates No. of cable cores			

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Hydraulic Station, Buffer (45/100L)

HTG. Circuit(s): 1x Radiator - Direct, 1x UFH(X) - 3rd Party,

24/10/2022

REV: B

Control(s): sensoCOMFORT

Domestic Hot Water: 1x Cylinder

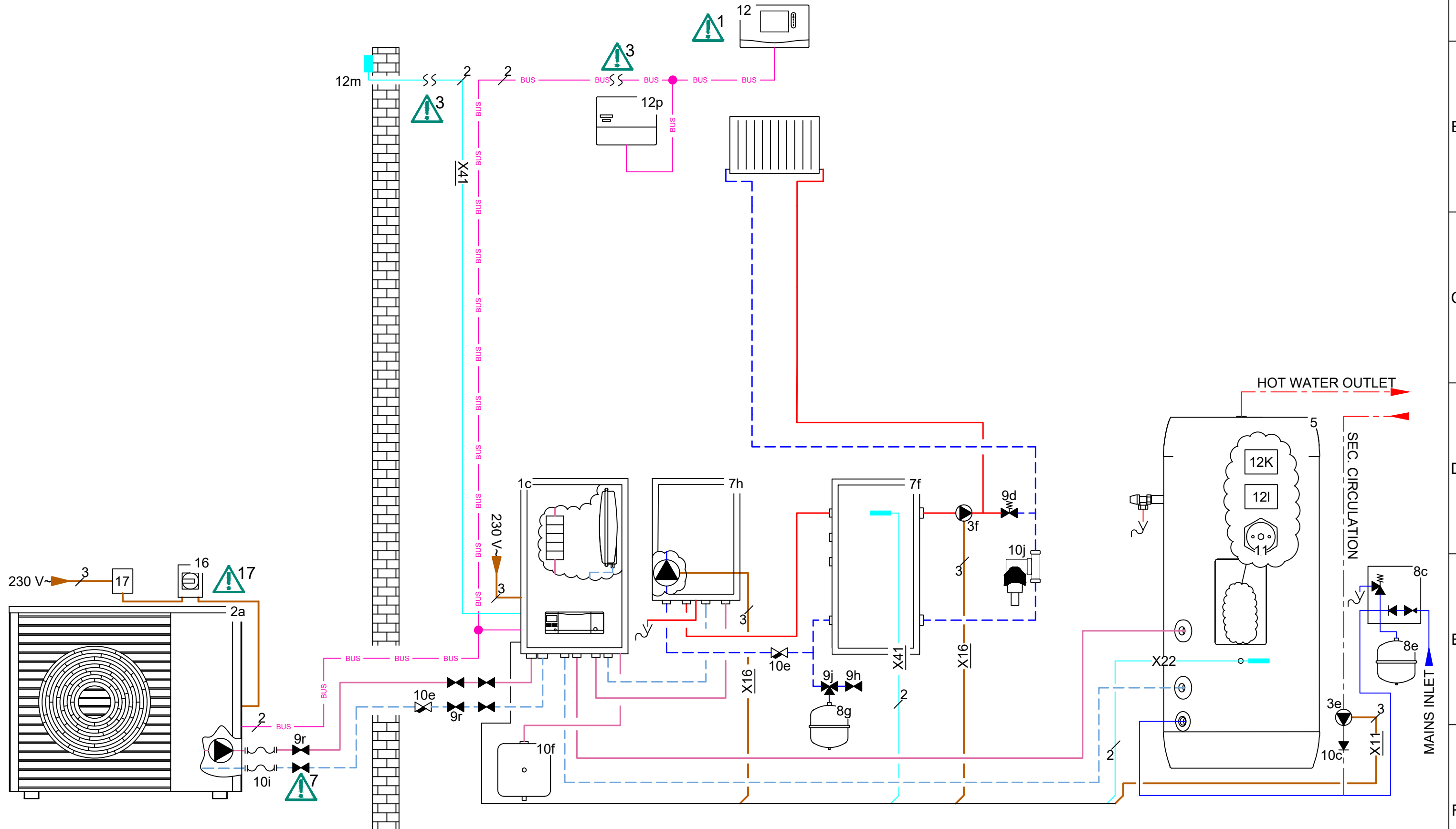
30200-1011



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022

REV:

C

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module, Buffer (45/100L)

Control(s): sensoCOMFORT

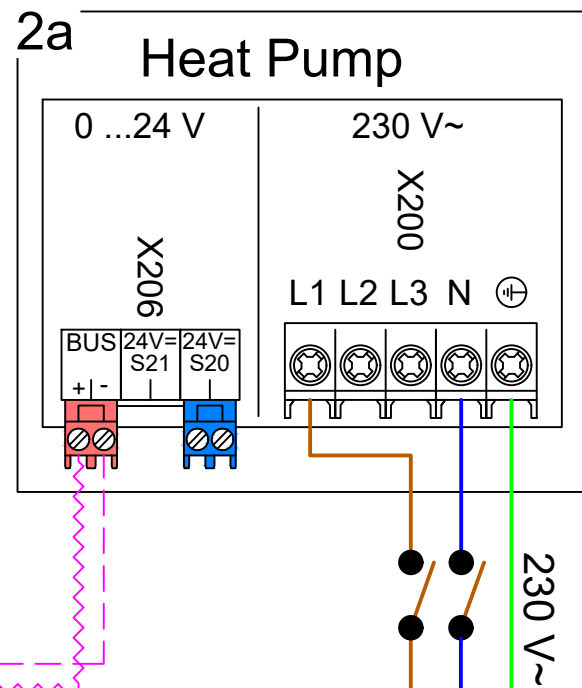
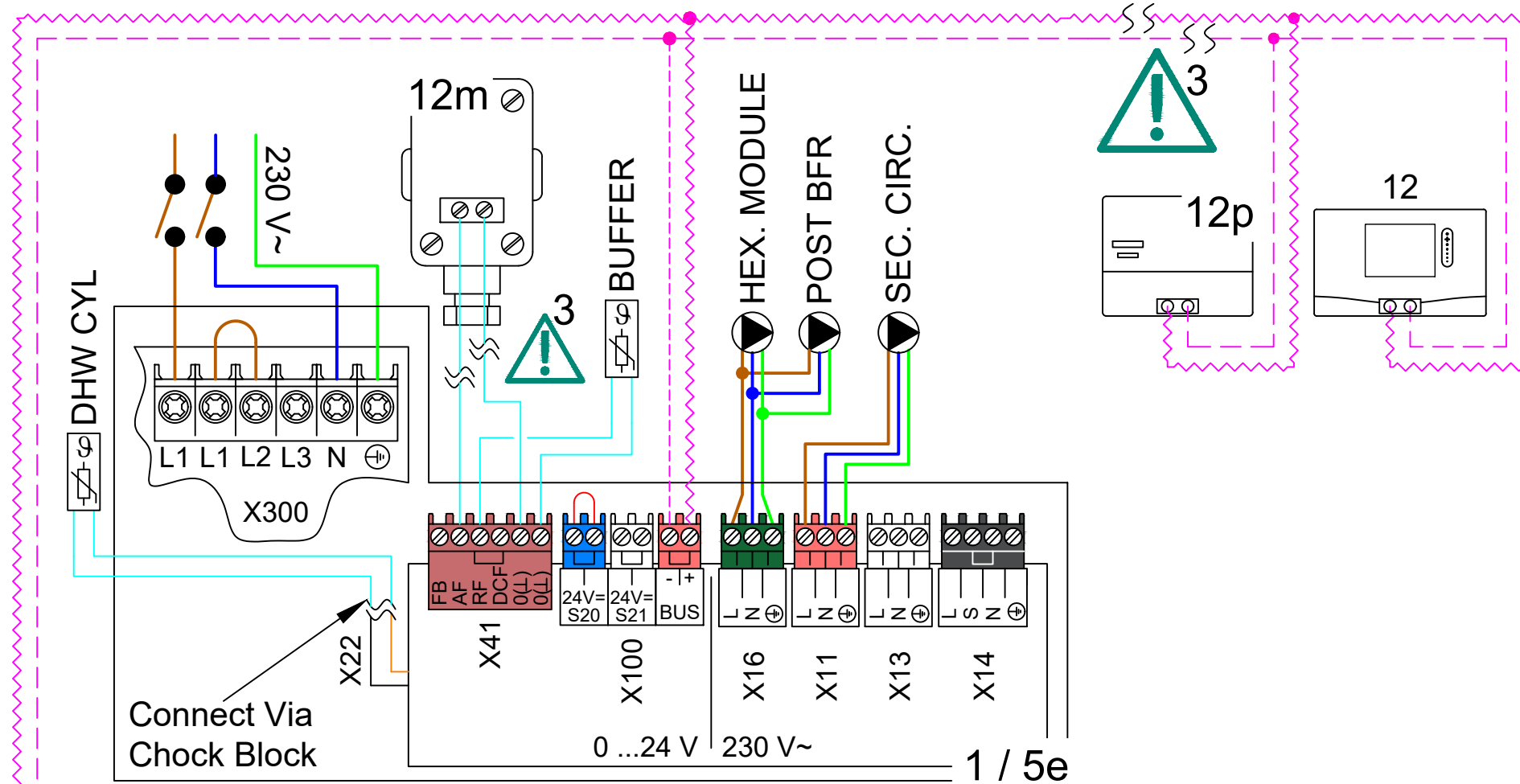
HTG. Circuit(s): 1x Radiator - Direct ,

Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 3. Controls and outdoor sensor can be wired or wireless
 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30200-1011

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- 03e Secondary Circulation Pump
- 03f General Pump
- 05 uniSTOR DHW Cylinder
- 07f 45/100L Buffer
- 07h HEX. Module
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09d Bypass Valve
- 09h Fill / Drain Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Reciever
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value
Installation	
Adapt. heat curve:	Deactivated
Hybrid manager:	Bivalence pt
Heating bivalence point:	-20°
DHW bivalence point:	-20°
Alternative point:	Off
ESCO:	HP Off
Back-up boiler:	Off
Conf. ext. input:	Bridge, deactiv.
Basic system diagram config.	
Basic system diagram code:	10
HP control module configuration	
MO 2:	Circulation pump
Circuit 1	
Circuit type:	Heating
OT switch-off threshold:	30°
Heat curve:	**Site specific
Min. target flow temperature:	15°
Max. target flow temperature:	45°
Set-back mode:	Normal
Room temp. mod.:	Expanded
Zone 1	
Zone activated:	Yes
Zone assignment:	Control
Domestic hot water	
Cylinder:	Active
Anti-legio. day:	**User preference
Anti-legio. time:	**User preference
Cylinder charging offset:	15 K
Cyl. charg. anti-cycl. time:	5 min

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.
B	11/02/2021	RF (Decoupler) flow sensor removed.

REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module, Buffer (45/100L)

HTG. Circuit(s): 1x Radiator - Direct ,

24/10/2022

REV: C

Control(s): sensoCOMFORT

Domestic Hot Water: 1x Cylinder

30201-1011

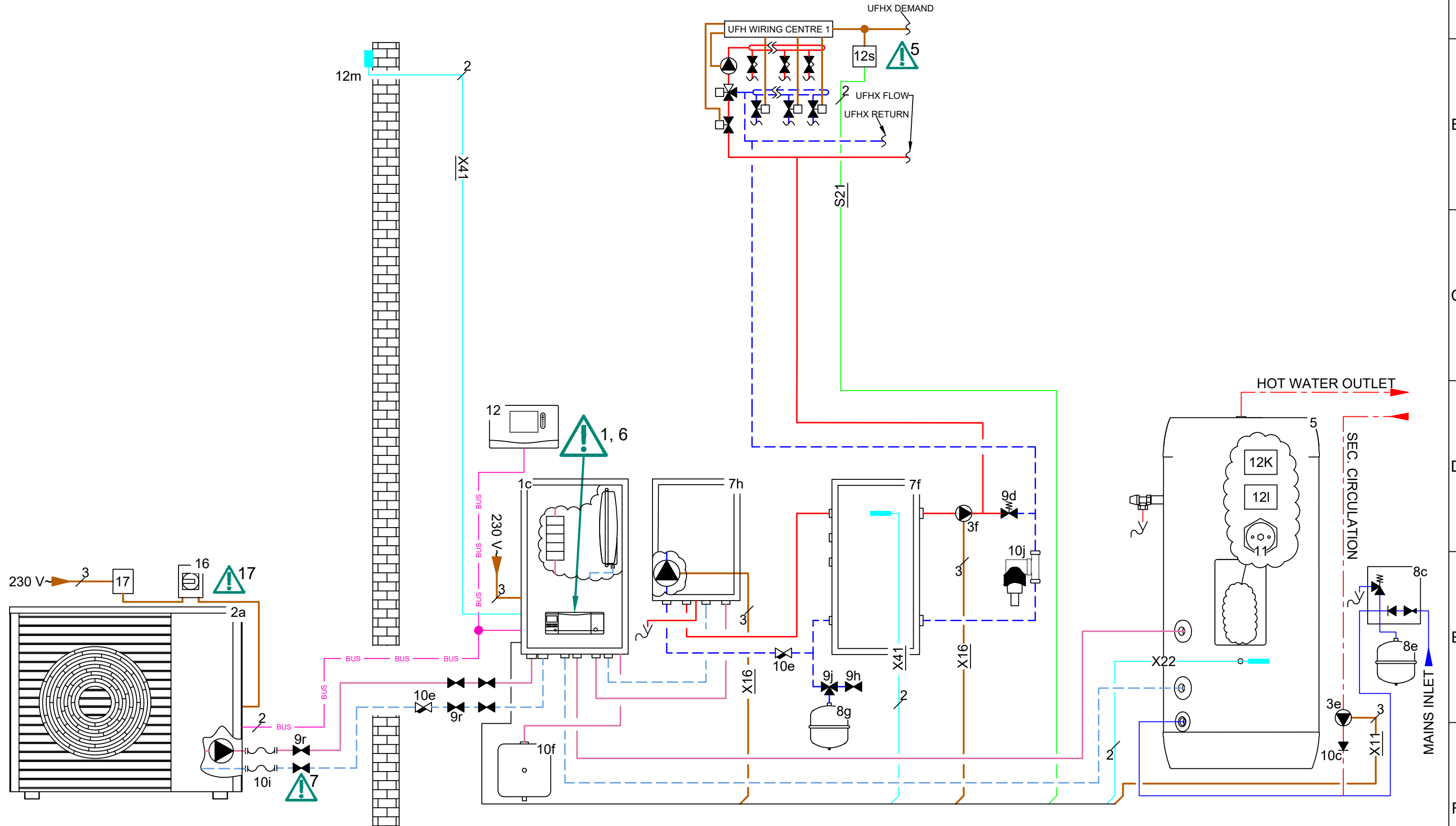


-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
- 6. Mount externally or to fascia

7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022

REV:

C

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module, Buffer (45/100L)

Control(s): sensoCOMFORT VRC 720

HTG. Circuit(s): 1x UFH(X) - 3rd Party, .

Domestic Hot Water: 1x Cylinder

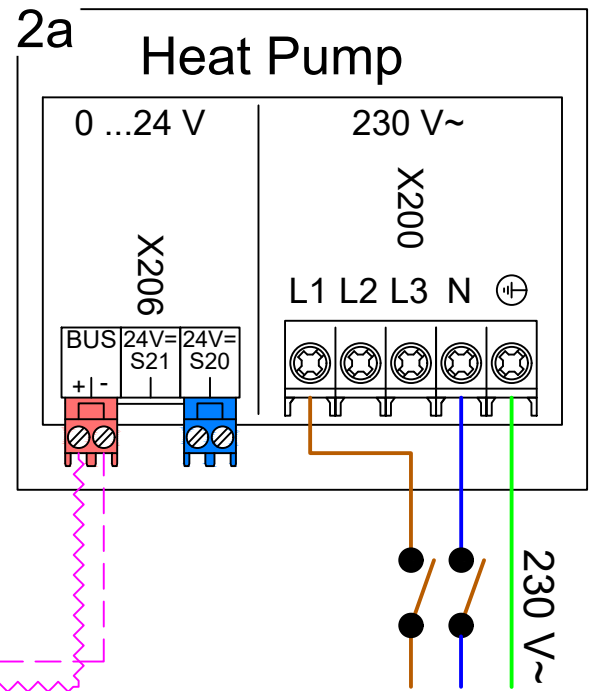
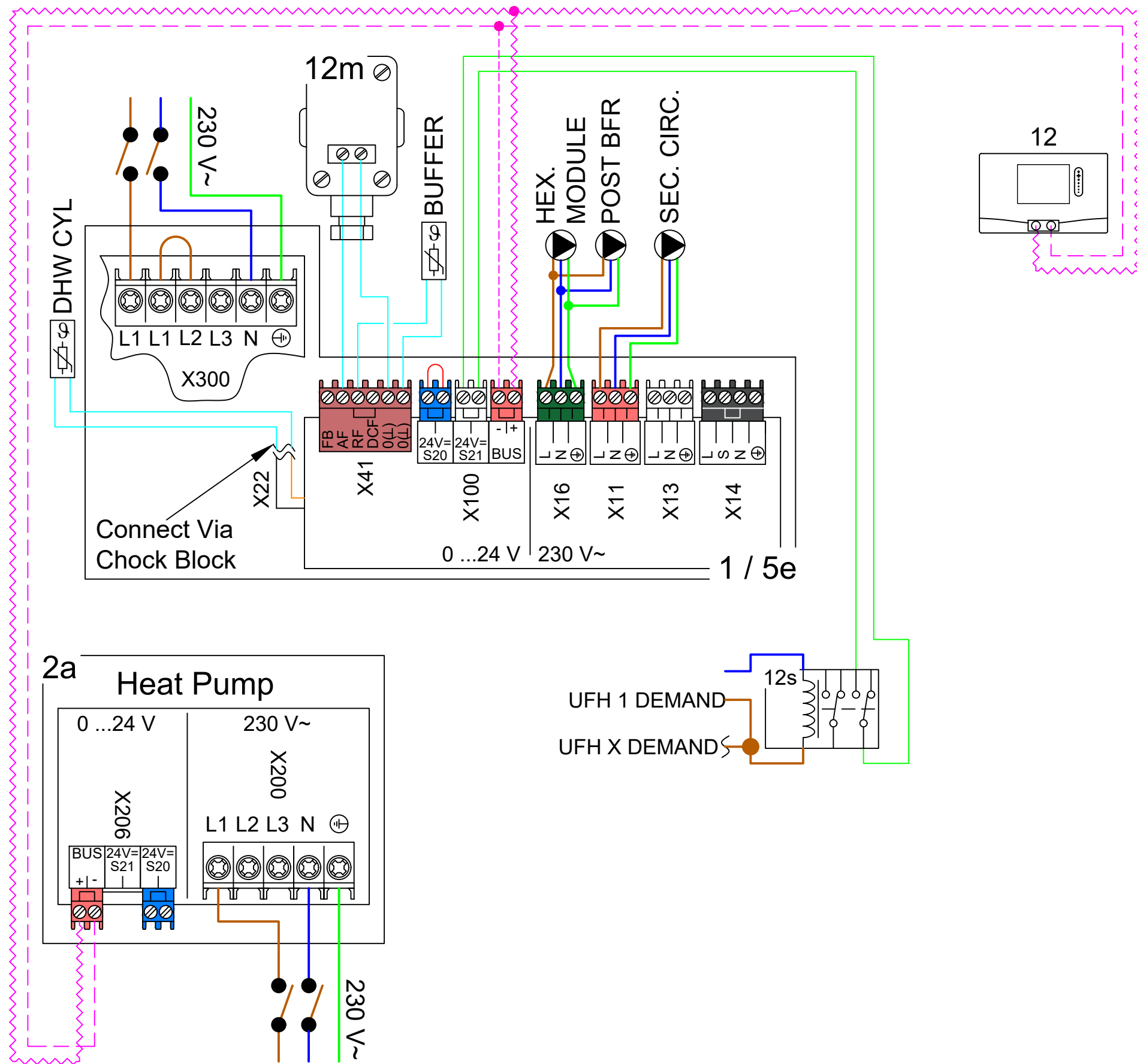


-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
- 6. Mount externally or to fascia

7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30201-1011

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- 01c Hydraulic Station
- 02 aroTHERM Monoblock
- 03e Secondary Circulation Pump
- 03f General Pump
- 05 uniSTOR DHW Cylinder
- 07f 45/100L Buffer
- 07h HEX. Module
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09d Bypass Valve
- 09h Fill / Drain Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12s DPDT Relay (3rd Party)
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value
Installation	
Adapt. heat curve:	Deactivated
Hybrid manager:	Bivalence pt
Heating bivalence point:	-20°
DHW bivalence point:	-20°
Alternative point:	Off
ESCO:	Heating off
Back-up boiler:	Off
Basic system diagram config.	
Basic system diagram code:	10
HP control module configuration	
MO 2:	Circulation pump
Circuit 1	
Circuit type:	Heating
OT switch-off threshold:	30°
Heat curve:	**Site specific
Min. target flow temperature:	15°
Max. target flow temperature:	45°
Set-back mode:	Eco
Room temp. mod.:	Inactive
Zone 1	
Zone activated:	Yes
Zone assignment:	No assignmt
Domestic hot water	
Cylinder:	Active
Anti-legio. day:	**User preference
Anti-legio. time:	**User preference
Cylinder charging offset:	15 K
Cyl. charg. anti-cycl. time:	5 min

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.
B	11/02/2021	RF (Decoupler) flow sensor removed.

REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module, Buffer (45/100L)

HTG. Circuit(s): 1x UFH(X) - 3rd Party, ,

24/10/2022

REV: C

Control(s): sensoCOMFORT VRC 720

Domestic Hot Water: 1x Cylinder

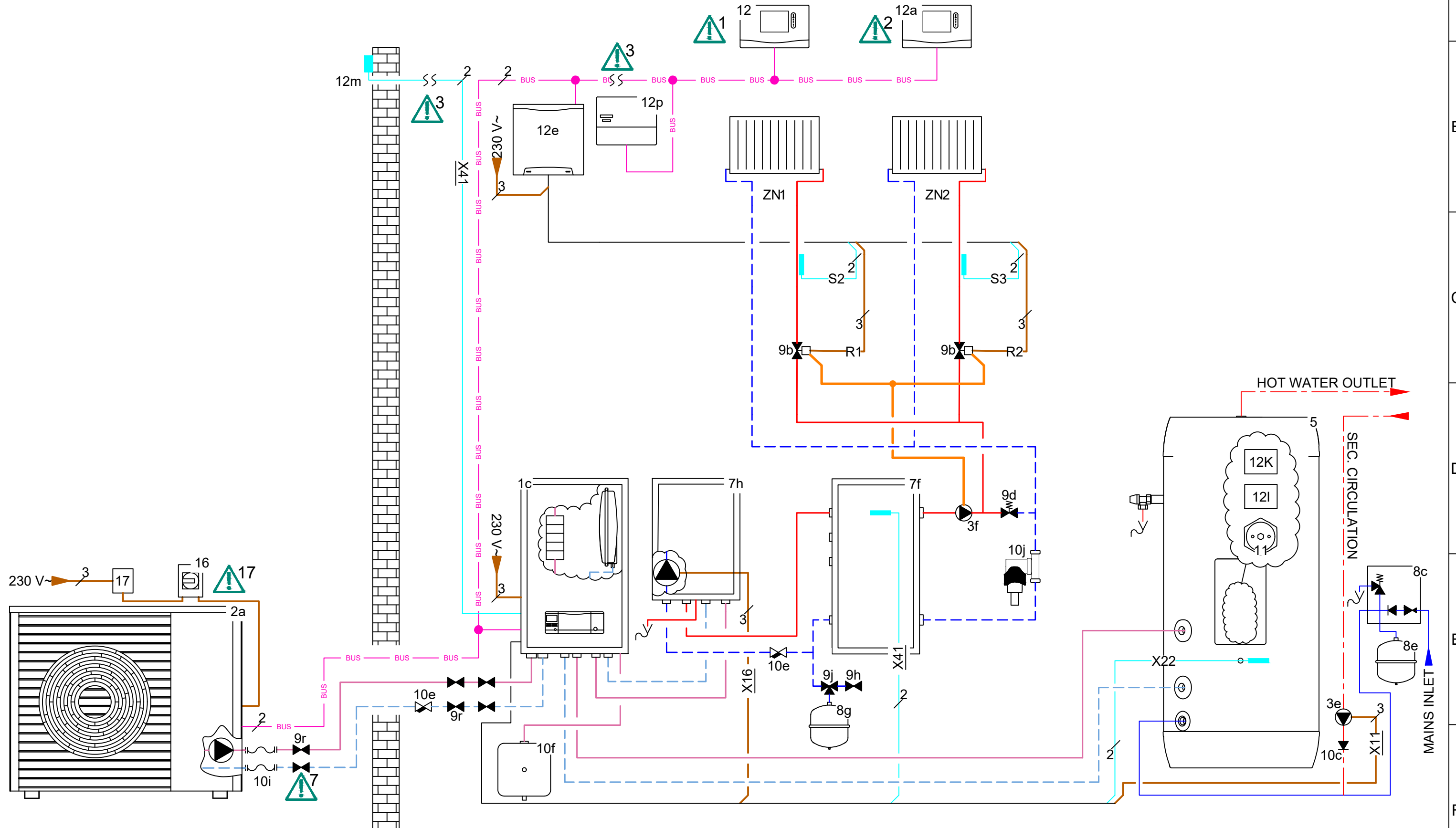
30210-1012



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 2. Set VR92 remote address to its zone number - 1
eg. If VR92 is in zone 3, then remote address must be set to 2.

- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters
- 17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022

REV:

B

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module, Buffer (45/100L)

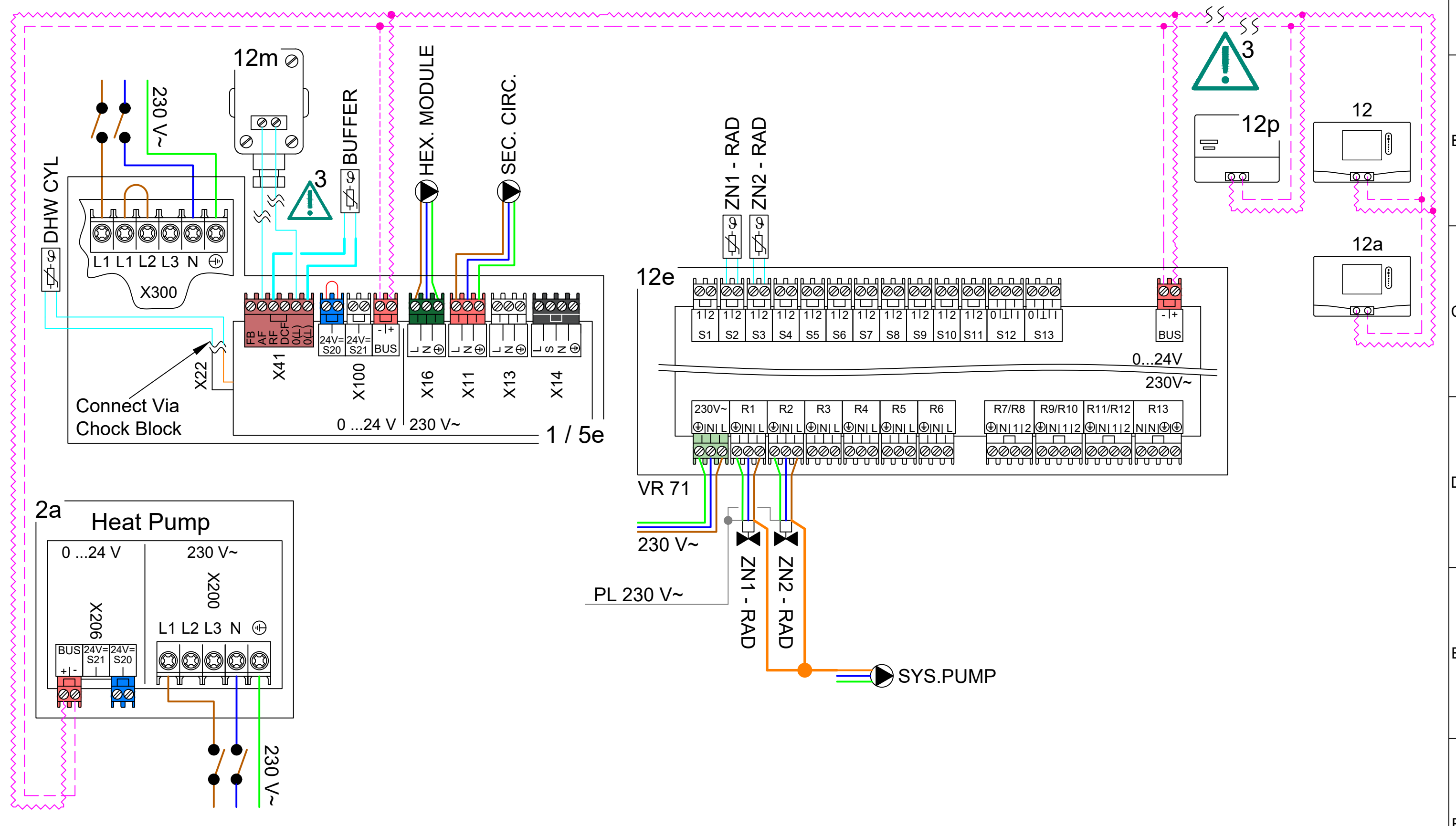
Control(s): sensoCOMFORT

HTG. Circuit(s): 2x Radiator - Direct ,

Domestic Hot Water: 1x Cylinder

- !** -See page 2 for detailed wiring.
- See page 3 for relevant controller system configuration settings.
 - Set VR92 remote address to its zone number - 1
eg. If VR92 is in zone 3, then remote address must be set to 2.

- Controls and outdoor sensor can be wired or wireless
- Optional for Heat Meters
17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE
24/10/2022 REV: B

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module, Buffer (45/100L)
Control(s): sensoCOMFORT

HTG. Circuit(s): 2x Radiator - Direct ,
Domestic Hot Water: 1x Cylinder

30210-1012

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- 02 aroTHERM Monoblock
- 03e Secondary Circulation Pump
- 03f General Pump
- 05 uniSTOR DHW Cylinder
- 07f 45/100L Buffer
- 07h HEX. Module
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09h Fill / Drain Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12a VR92
- 12e Wiring Centre - VR 71
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Receiver
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Zone 1	
Adapt. heat curve:	Deactivated	Zone activated:	Yes
Hybrid manager:	Bivalence pt	Zone assignment:	Control
Heating bivalence point:	-20°	Zone 2	
DHW bivalence point:	-20°	Zone activated:	Yes
Alternative point:	Off	Zone assignment:	Rem. contr. 1
ESCO:	HP Off	Domestic hot water	
Back-up boiler:	Off	Cylinder:	Active
Conf. ext. input:	Bridge, deactiv.	Anti-legio. day:	**User preference
Basic system diagram config.		Anti-legio. time:	**User preference
Basic system diagram code:	10	Cylinder charging offset:	15 K
HP control module configuration		Cyl. charg. anti-cycl. time:	5 min
MO 2:	Circulation pump		
Circuit 1			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		
Circuit 2			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		

REV	DATE	DESCRIPTION	ZONE
A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E
Domestic Cold Water			
Domestic Hot Water			
Heating Flow			
Heating Return			
Glycol Flow			
Glycol Return			
230/400V Wire			
Low Voltage Sensor Wire			
Low Voltage eBUS			
Low Voltage Demand Signal			
eBUS +			
eBUS -			
Indicates Cable Junction			
Indicates No. of cable cores			

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module, Buffer (45/100L)

HTG. Circuit(s): 2x Radiator - Direct ,

24/10/2022

REV: B

Control(s): sensoCOMFORT

Domestic Hot Water: 1x Cylinder

30211-1012

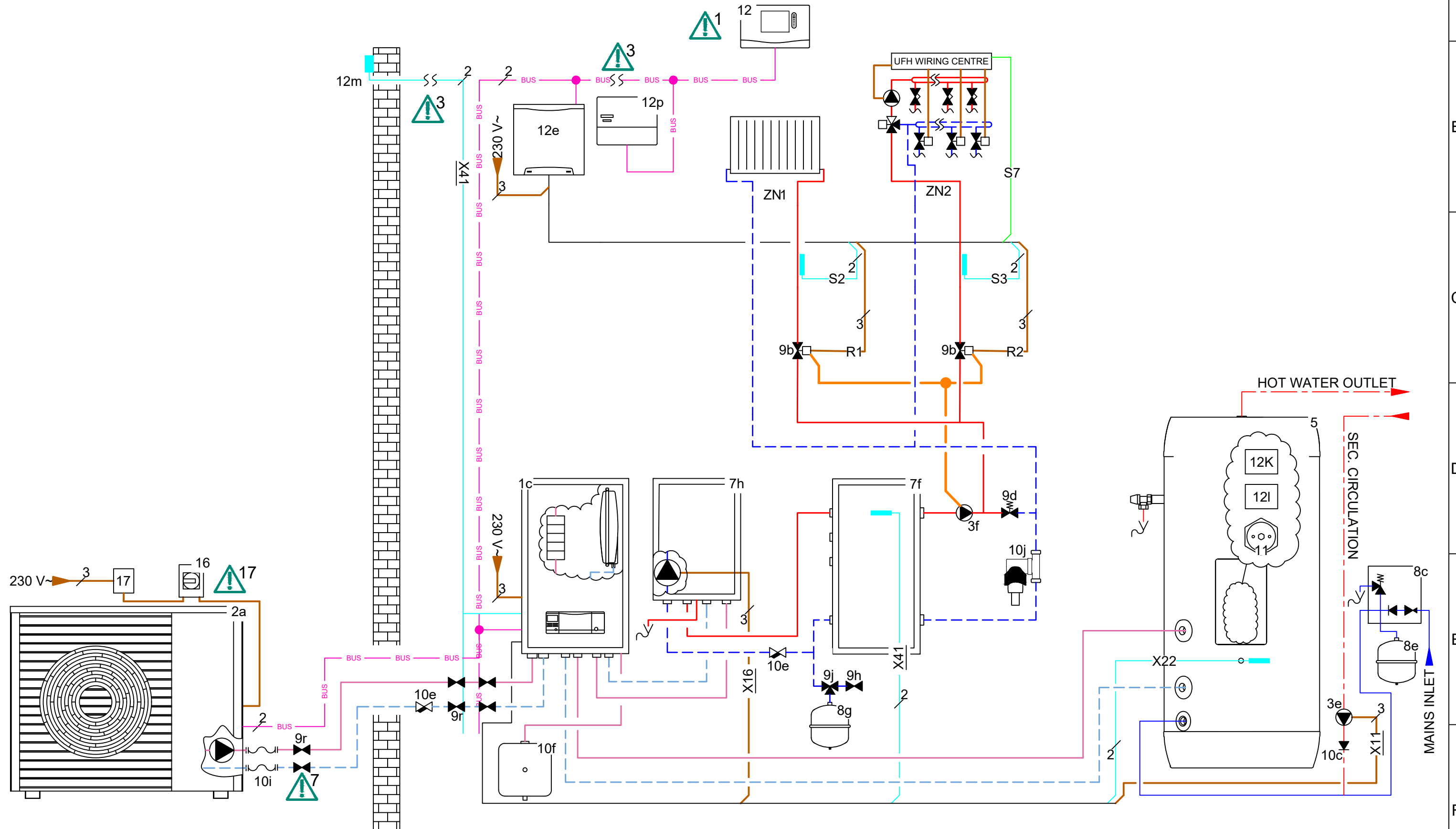


-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 4. Link required (not factory fitted).

7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022

REV:

B

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module, Buffer (45/100L)

Control(s): sensoCOMFORT

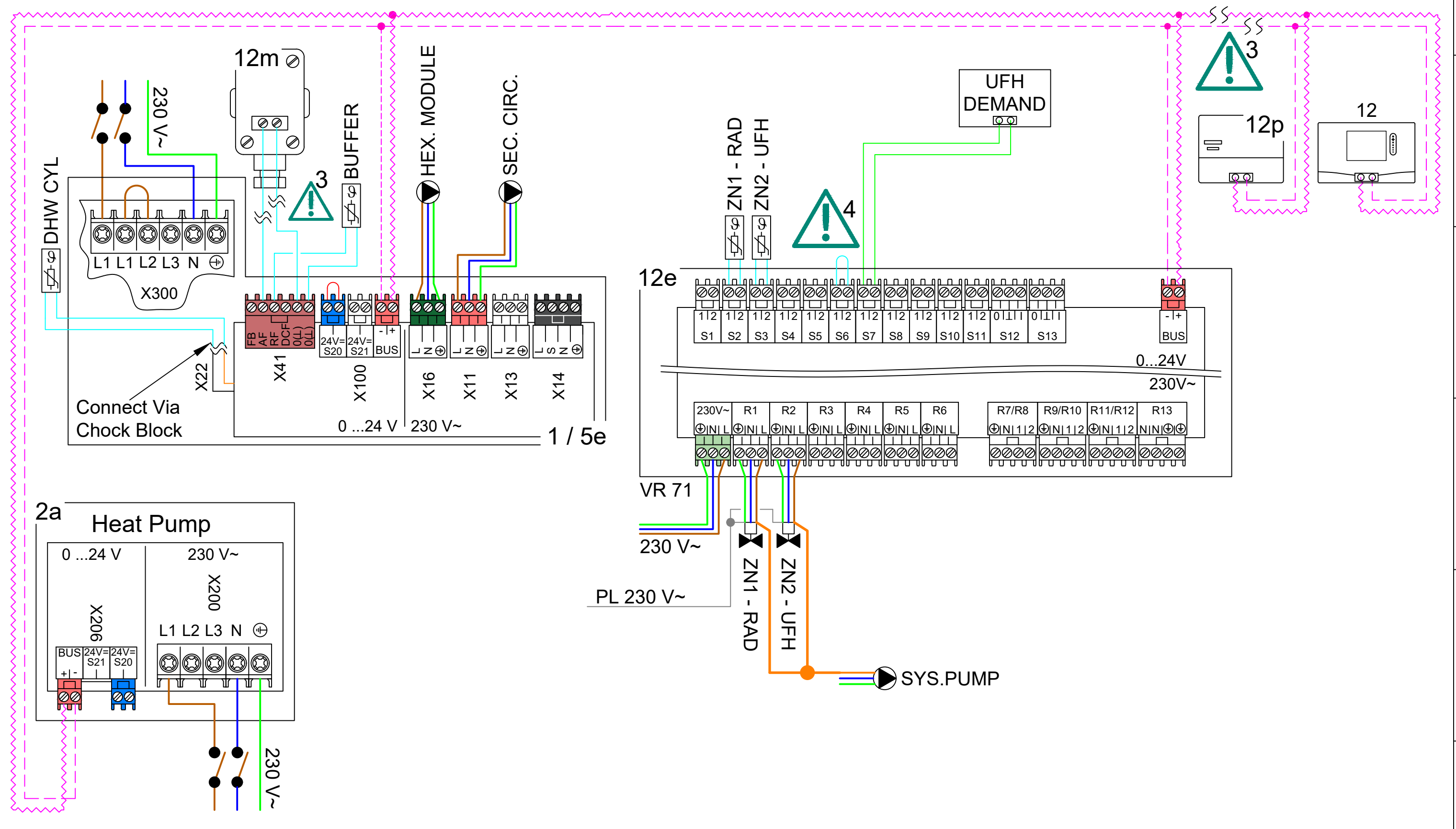
HTG. Circuit(s): 1x Radiator - Direct, 1x UFH(X) - 3rd Party,

Domestic Hot Water: 1x Cylinder

30211-1012

- !** -See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 3. Controls and outdoor sensor can be wired or wireless
 4. Link required (not factory fitted).

7. Optional for Heat Meters
 17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE
 24/10/2022 REV: B

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module, Buffer (45/100L)
 Control(s): sensoCOMFORT

HTG. Circuit(s): 1x Radiator - Direct, 1x UFH(X) - 3rd Party,
 Domestic Hot Water: 1x Cylinder

30211-1012

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- 01c Hydraulic Station
- 02 aroTHERM Monoblock
- 03e Secondary Circulation Pump
- 03f General Pump
- 05 uniSTOR DHW Cylinder
- 07f 45/100L Buffer
- 07h HEX. Module
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09h Fill / Drain Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12e Wiring Centre - VR 71
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Receiver
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Zone 1	
Adapt. heat curve:	Deactivated	Zone activated:	Yes
Hybrid manager:	Bivalence pt	Zone assignment:	Control
Heating bivalence point:	-20°	Zone 2	
DHW bivalence point:	-20°	Zone activated:	Yes
Alternative point:	Off	Zone assignment:	No assignmt
ESCO:	HP Off	Domestic hot water	
Back-up boiler:	Off	Cylinder:	Active
Conf. ext. input:	Open, deactiv.	Anti-legio. day:	**User preference
Basic system diagram config.		Anti-legio. time:	**User preference
Basic system diagram code:	10	Cylinder charging offset:	15 K
HP control module configuration		Cyl. charg. anti-cycl. time:	5 min
MO 2:	Circulation pump		
Circuit 1			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		
Circuit 2			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Eco		
Room temp. mod.:	Inactive		

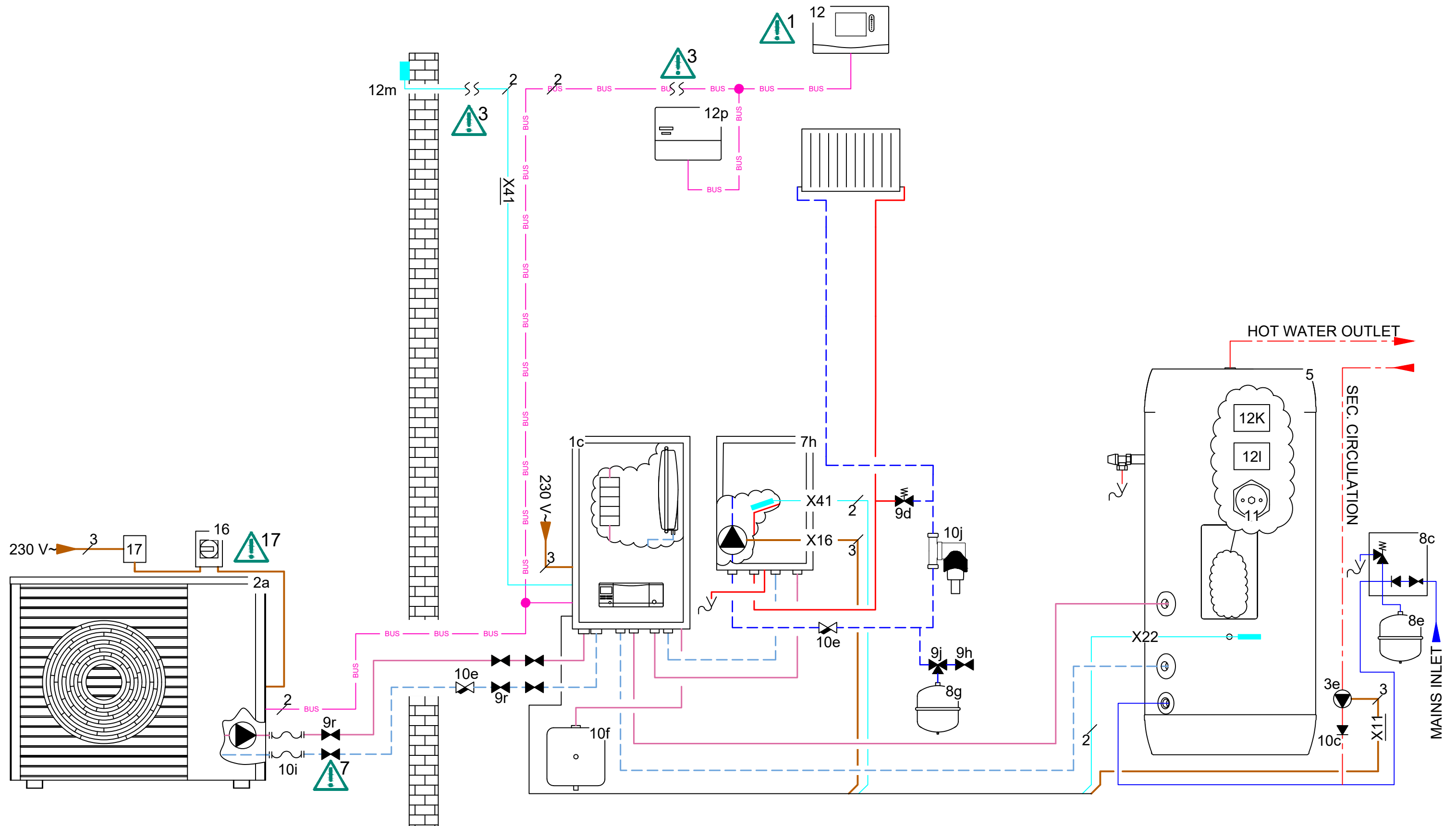
REV	DATE	DESCRIPTION	ZONE
A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E
Domestic Cold Water			
Domestic Hot Water			
Heating Flow			
Heating Return			
Glycol Flow			
Glycol Return			
230/400V Wire			
Low Voltage Sensor Wire			
Low Voltage eBUS			
Low Voltage Demand Signal			
eBUS +			
eBUS -			
Indicates Cable Junction			
Indicates No. of cable cores			



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022

REV:

C

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module

Control(s): sensoCOMFORT

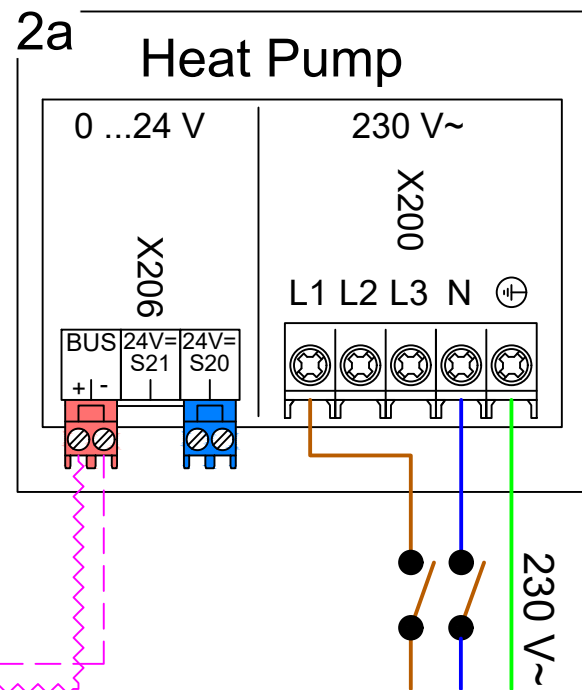
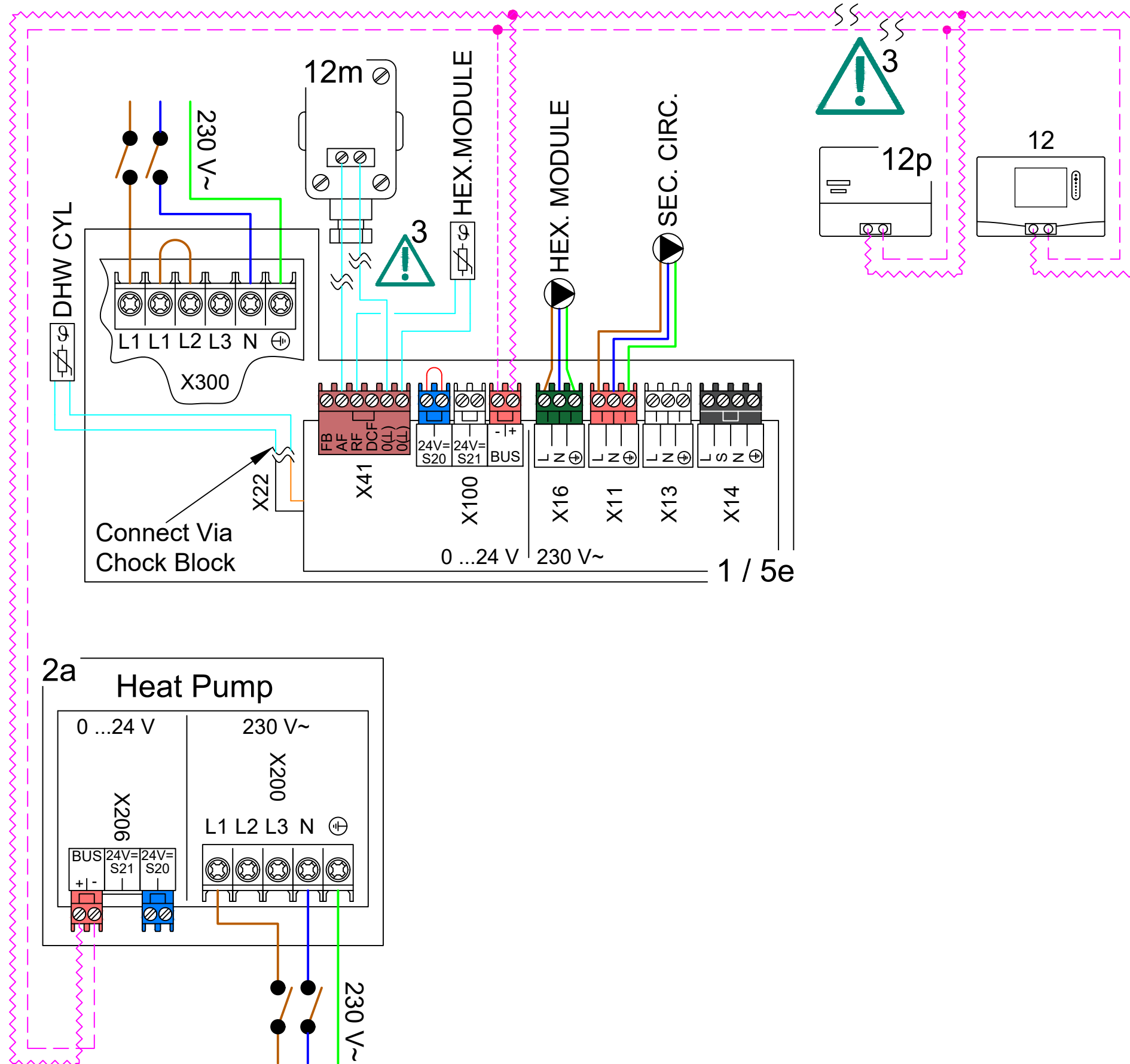
HTG. Circuit(s): 1x Radiator - Direct ,

Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 3. Controls and outdoor sensor can be wired or wireless
 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30180-1011

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- 01c Hydraulic Station
- 02 aroTHERM Monoblock
- 03e Secondary Circulation Pump
- 05 uniSTOR DHW Cylinder
- 07h HEX. Module
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09d Bypass Valve
- 09h Fill / Drain Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Reciever
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value
Installation	
Adapt. heat curve:	Deactivated
Hybrid manager:	Bivalence pt
Heating bivalence point:	-20°
DHW bivalence point:	-20°
Alternative point:	Off
ESCO:	HP Off
Back-up boiler:	Off
Conf. ext. input:	Bridge, deactiv.
Basic system diagram config.	
Basic system diagram code:	10
HP control module configuration	
MO 2:	Circulation pump
Circuit 1	
Circuit type:	Heating
OT switch-off threshold:	30°
Heat curve:	**Site specific
Min. target flow temperature:	15°
Max. target flow temperature:	45°
Set-back mode:	Normal
Room temp. mod.:	Expanded
Zone 1	
Zone activated:	Yes
Zone assignment:	Control
Domestic hot water	
Cylinder:	Active
Anti-legio. day:	**User preference
Anti-legio. time:	**User preference
Cylinder charging offset:	15 K
Cyl. charg. anti-cycl. time:	5 min

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.
B	11/02/2021	RF (HEX. Module) flow sensor removed.

REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module

HTG. Circuit(s): 1x Radiator - Direct ,

24/10/2022

REV: C

Control(s): sensoCOMFORT

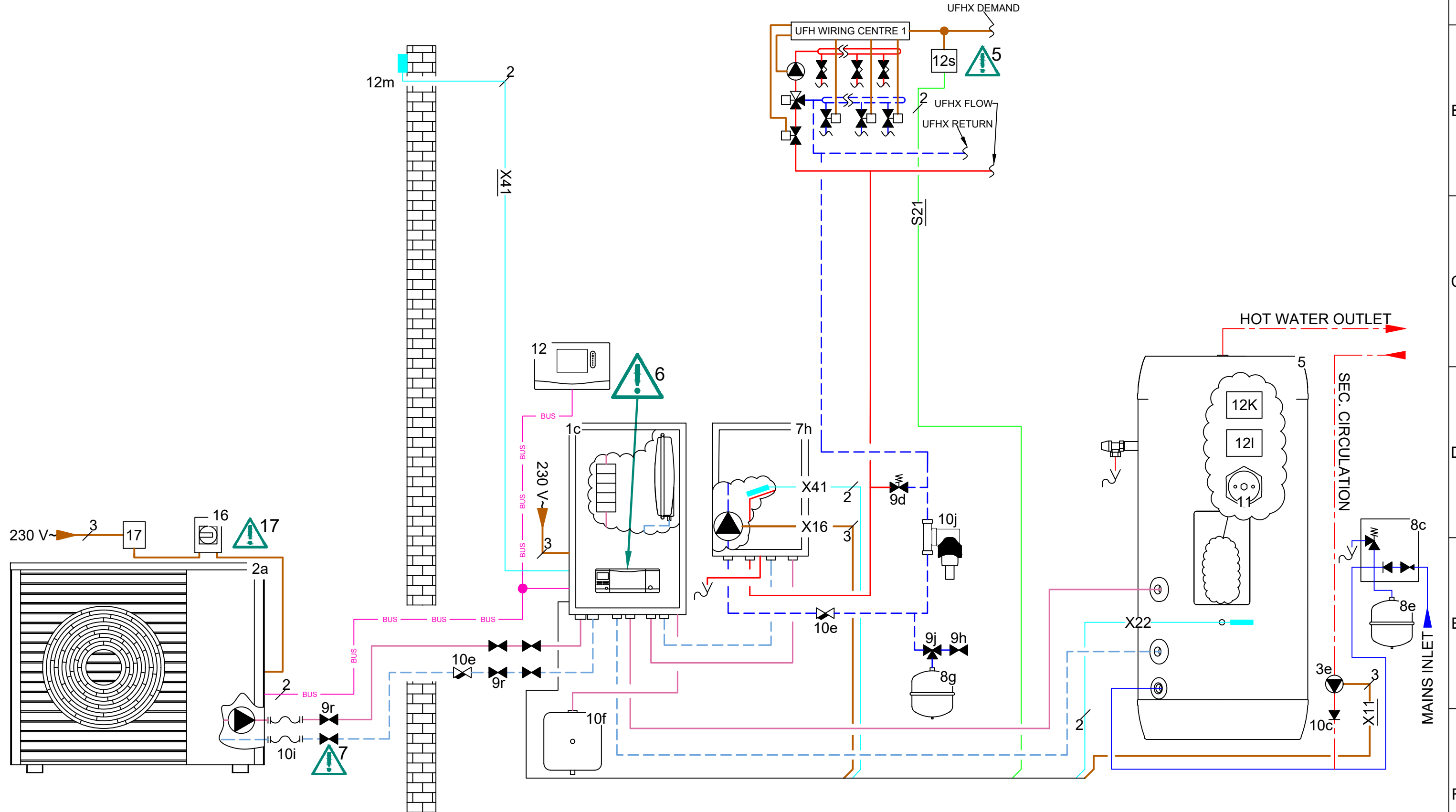
Domestic Hot Water: 1x Cylinder

30181-1011



-See page 2 for detailed wiring.
 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
 6. Mount externally or to fascia
 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022

REV:

C

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module

Control(s): sensoCOMFORT VRC720

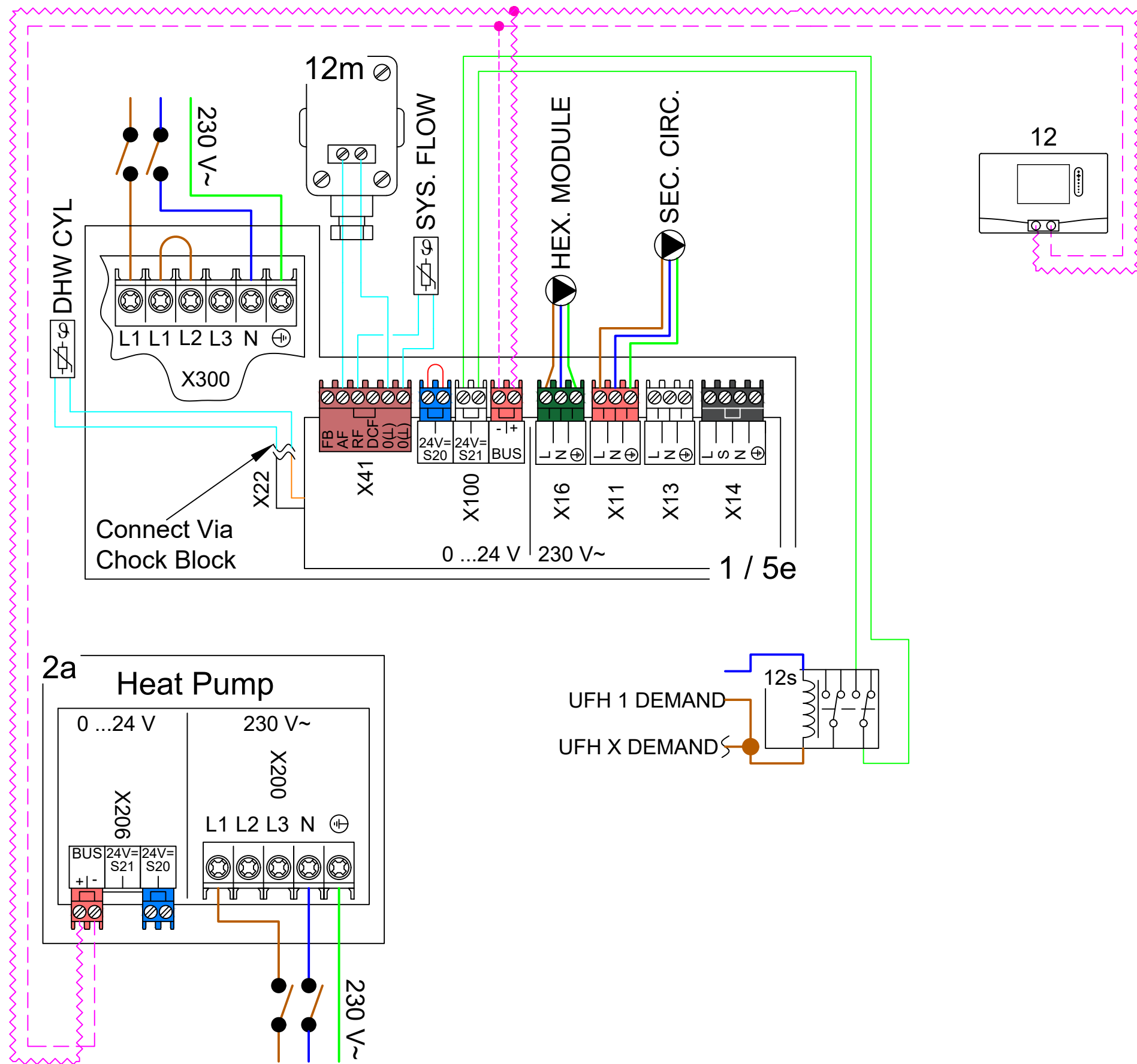
HTG. Circuit(s): 1x UFH(X) - 3rd Party, .

Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.
 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
 6. Mount externally or to fascia
 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30181-1011

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- 01c Hydraulic Station
- 02 aroTHERM Monoblock
- 03e Secondary Circulation Pump
- 05 uniSTOR DHW Cylinder
- 07h HEX. Module
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09d Bypass Valve
- 09h Fill / Drain Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12s DPDT Relay (3rd Party)
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Domestic hot water	
Adapt. heat curve:	Deactivated	Cylinder:	Active
Hybrid manager:	Bivalence pt	Anti-legio. day:	**User preference
Heating bivalence point:	-20°	Anti-legio. time:	**User preference
DHW bivalence point:	-20°	Cylinder charging offset:	15 K
Alternative point:	Off	Cyl. charg. anti-cycl. time:	5 min
ESCO:	Heating off		
Back-up boiler:	Off		
Basic system diagram config.			
Basic system diagram code:	10		
HP control module configuration			
MO 2:	Circulation pump		
Circuit 1			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Eco		
Room temp. mod.:	Inactive		
Zone 1			
Zone activated:	Yes		
Zone assignment:	No assignmt		

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.
B	1/02/2021	RF (HEX. Module) flow sensor removed.

REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module

HTG. Circuit(s): 1x UFH(X) - 3rd Party, ,

24/10/2022

REV: C

Control(s): sensoCOMFORT VRC720

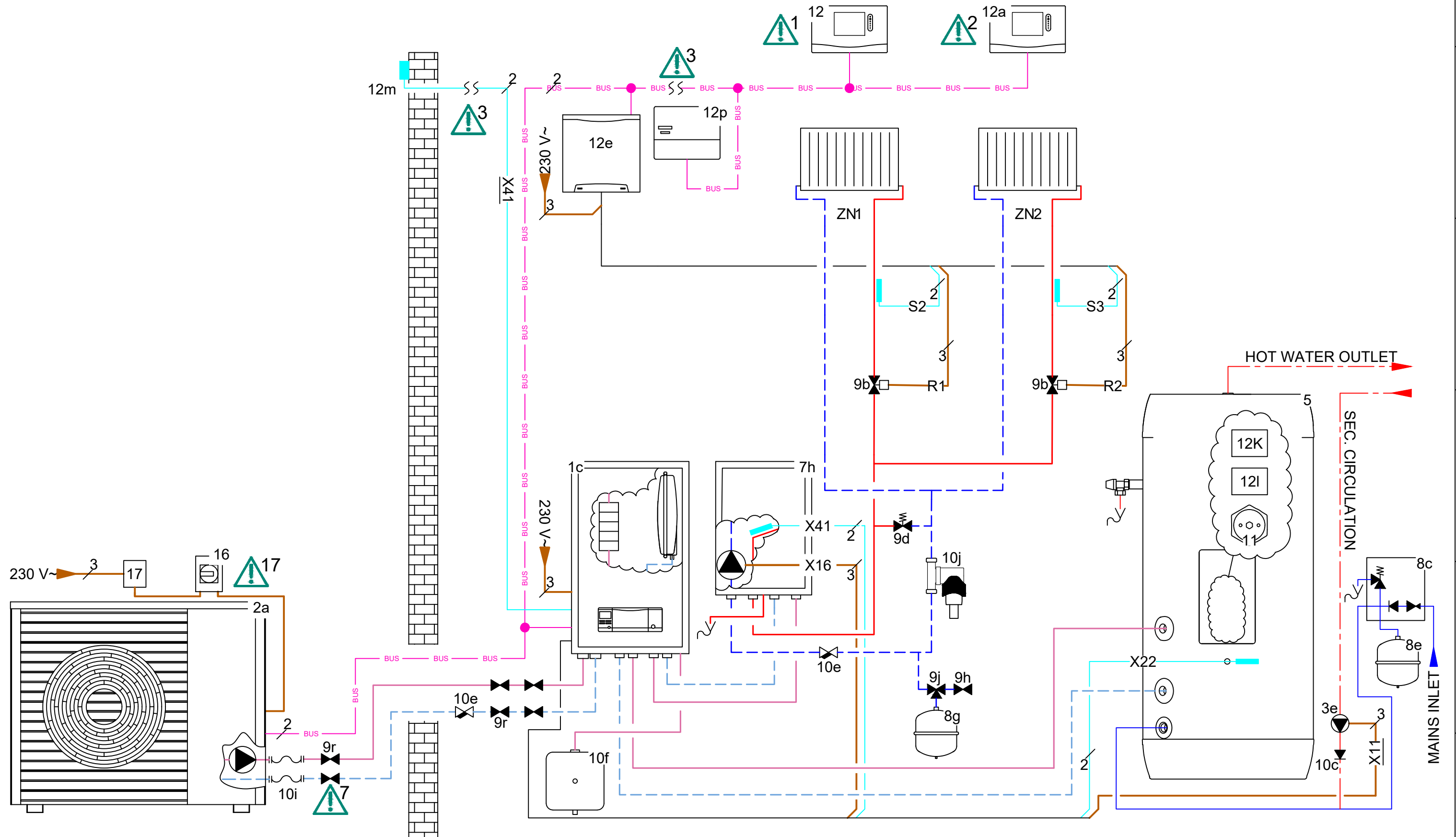
Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.

1. See page 3 for relevant controller system configuration settings.
2. Set VR92 remote address to its zone number - 1
eg. If VR92 is in zone 3, then remote address must be set to 2.

3. Controls and outdoor sensor can be wired or wireless
7. Optional for Heat Meters
17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022 REV: B

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module

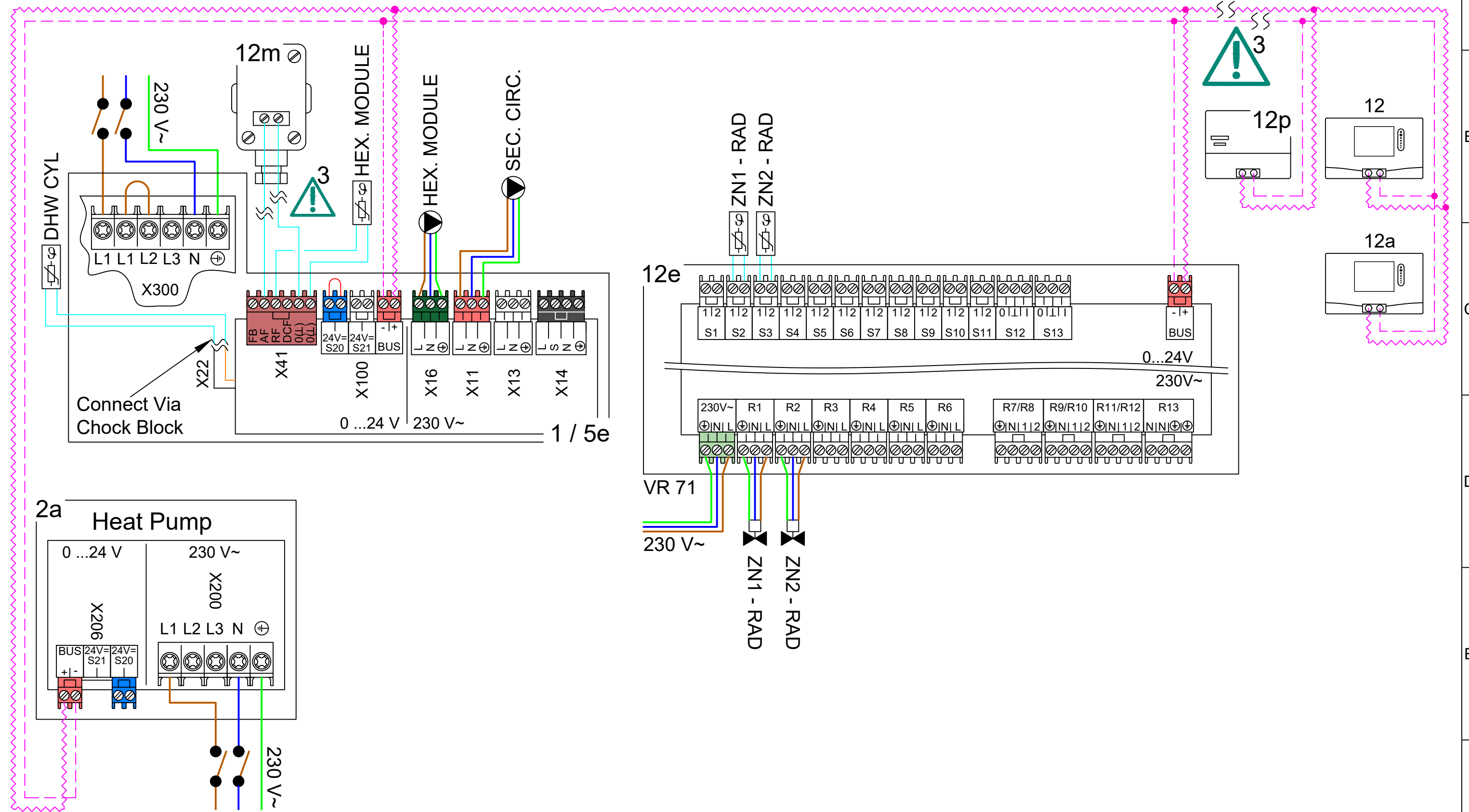
Control(s): sensoCOMFORT

HTG. Circuit(s): 2x Radiator - Direct ,

Domestic Hot Water: 1x Cylinder

- ⚠ -See page 2 for detailed wiring.**
1. See page 3 for relevant controller system configuration settings.
 2. Set VR92 remote address to its zone number - 1
eg. If VR92 is in zone 3, then remote address must be set to 2.

3. Controls and outdoor sensor can be wired or wireless
7. Optional for Heat Meters
17. Rotary Isolator must be situated outside of the Protective Zone



30190-1012

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- 03e Secondary Circulation Pump
- 05 uniSTOR DHW Cylinder
- 07h HEX. Module
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09h Fill / Drain Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12a VR92
- 12e Wiring Centre - VR 71
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Receiver
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Zone 1	
Adapt. heat curve:	Deactivated	Zone activated:	Yes
Hybrid manager:	Bivalence pt	Zone assignment:	Control
Heating bivalence point:	-20°	Zone 2	
DHW bivalence point:	-20°	Zone activated:	Yes
Alternative point:	Off	Zone assignment:	Rem. contr. 1
ESCO:	HP Off	Domestic hot water	
Back-up boiler:	Off	Cylinder:	Active
Conf. ext. input:	Bridge, deactiv.	Anti-legio. day:	**User preference
Basic system diagram config.		Anti-legio. time:	**User preference
Basic system diagram code:	10	Cylinder charging offset:	15 K
HP control module configuration		Cyl. charg. anti-cycl. time:	5 min
MO 2:	Circulation pump		
Circuit 1			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		
Circuit 2			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		

REV	DATE	DESCRIPTION	ZONE
A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E
Domestic Cold Water			
Domestic Hot Water			
Heating Flow			
Heating Return			
Glycol Flow			
Glycol Return			
230/400V Wire			
Low Voltage Sensor Wire			
Low Voltage eBUS			
Low Voltage Demand Signal			
eBUS +			
eBUS -			
Indicates Cable Junction			
Indicates No. of cable cores			

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module

HTG. Circuit(s): 2x Radiator - Direct ,

24/10/2022

REV: B

Control(s): sensoCOMFORT

Domestic Hot Water: 1x Cylinder

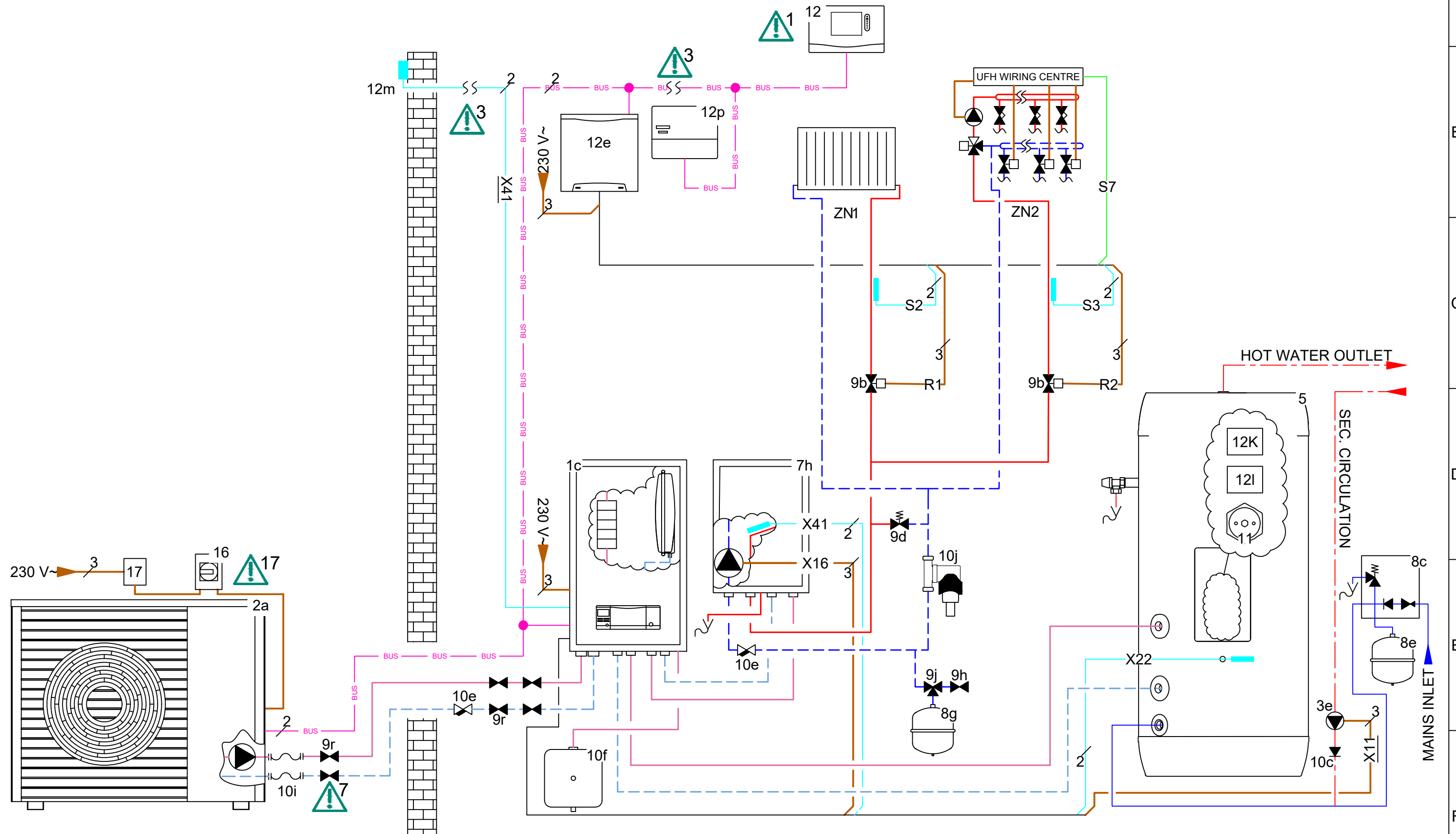


-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 4. Link required (not factory fitted).

7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022

REV: B

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module

Control(s): sensoCOMFORT

HTG. Circuit(s): 1x Radiator - Direct, 1x UFH - 3rd Party,

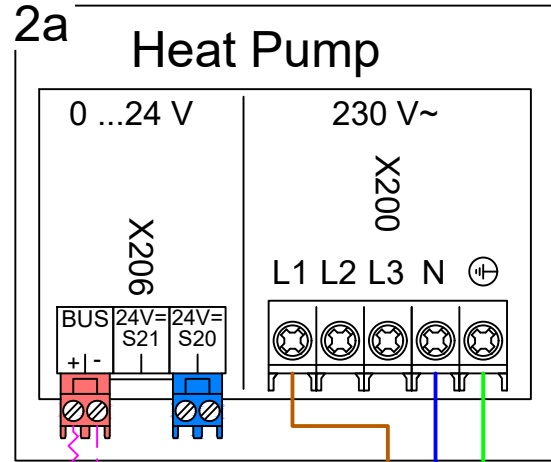
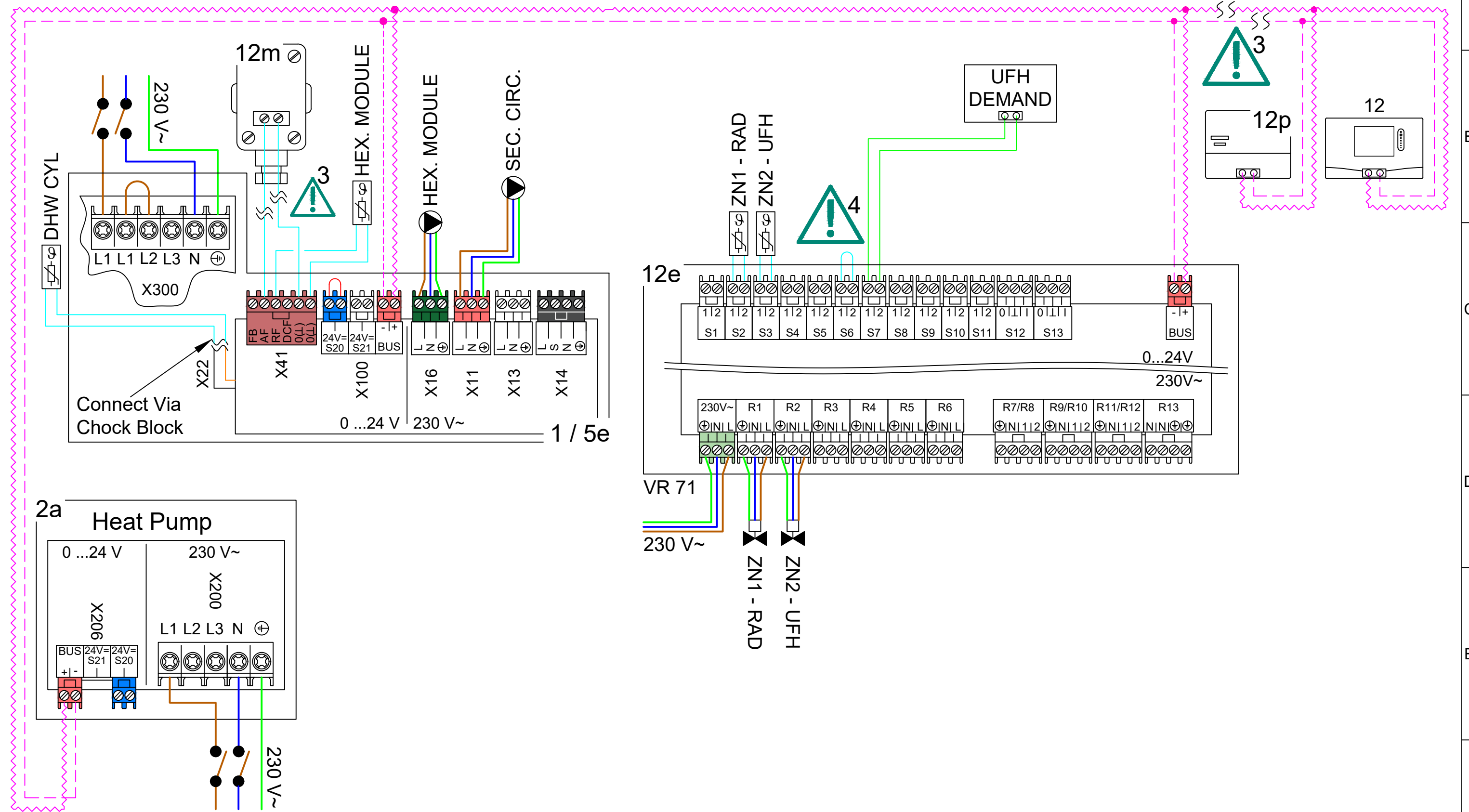
Domestic Hot Water: 1x Cylinder

30191-1012



- See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 3. Controls and outdoor sensor can be wired or wireless
 4. Link required (not factory fitted).

7. Optional for Heat Meters
 17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE
 24/10/2022 REV: B

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module
 Control(s): sensoCOMFORT

HTG. Circuit(s): 1x Radiator - Direct, 1x UFH - 3rd Party,
 Domestic Hot Water: 1x Cylinder

30191-1012

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- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 08g Brine Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09h Fill / Drain Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10f Brine Collection Tank
- 10i Flexible Connection
- 10j Magnetic Filter
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12e Wiring Centre - VR 71
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Receiver
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Zone 1	
Adapt. heat curve:	Deactivated	Zone activated:	Yes
Hybrid manager:	Bivalence pt	Zone assignment:	Control
Heating bivalence point:	-20°	Zone 2	
DHW bivalence point:	-20°	Zone activated:	Yes
Alternative point:	Off	Zone assignment:	No assignmt
ESCO:	HP Off	Domestic hot water	
Back-up boiler:	Off	Cylinder:	Active
Conf. ext. input:	Open, deactiv.	Anti-legio. day:	**User preference
Basic system diagram config.		Anti-legio. time:	**User preference
Basic system diagram code:	10	Cylinder charging offset:	15 K
HP control module configuration		Cyl. charg. anti-cycl. time:	5 min
MO 2:	Circulation pump		
Circuit 1			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		
Circuit 2			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Eco		
Room temp. mod.:	Inactive		

REV	DATE	DESCRIPTION	ZONE
A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E
Domestic Cold Water			
Domestic Hot Water			
Heating Flow			
Heating Return			
Glycol Flow			
Glycol Return			
230/400V Wire			
Low Voltage Sensor Wire			
Low Voltage eBUS			
Low Voltage Demand Signal			
eBUS +			
eBUS -			
Indicates Cable Junction			
Indicates No. of cable cores			

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, Hydraulic Station, Heat Ex. Module

HTG. Circuit(s): 1x Radiator - Direct, 1x UFH - 3rd Party,

24/10/2022

REV: B

Control(s): sensoCOMFORT

Domestic Hot Water: 1x Cylinder

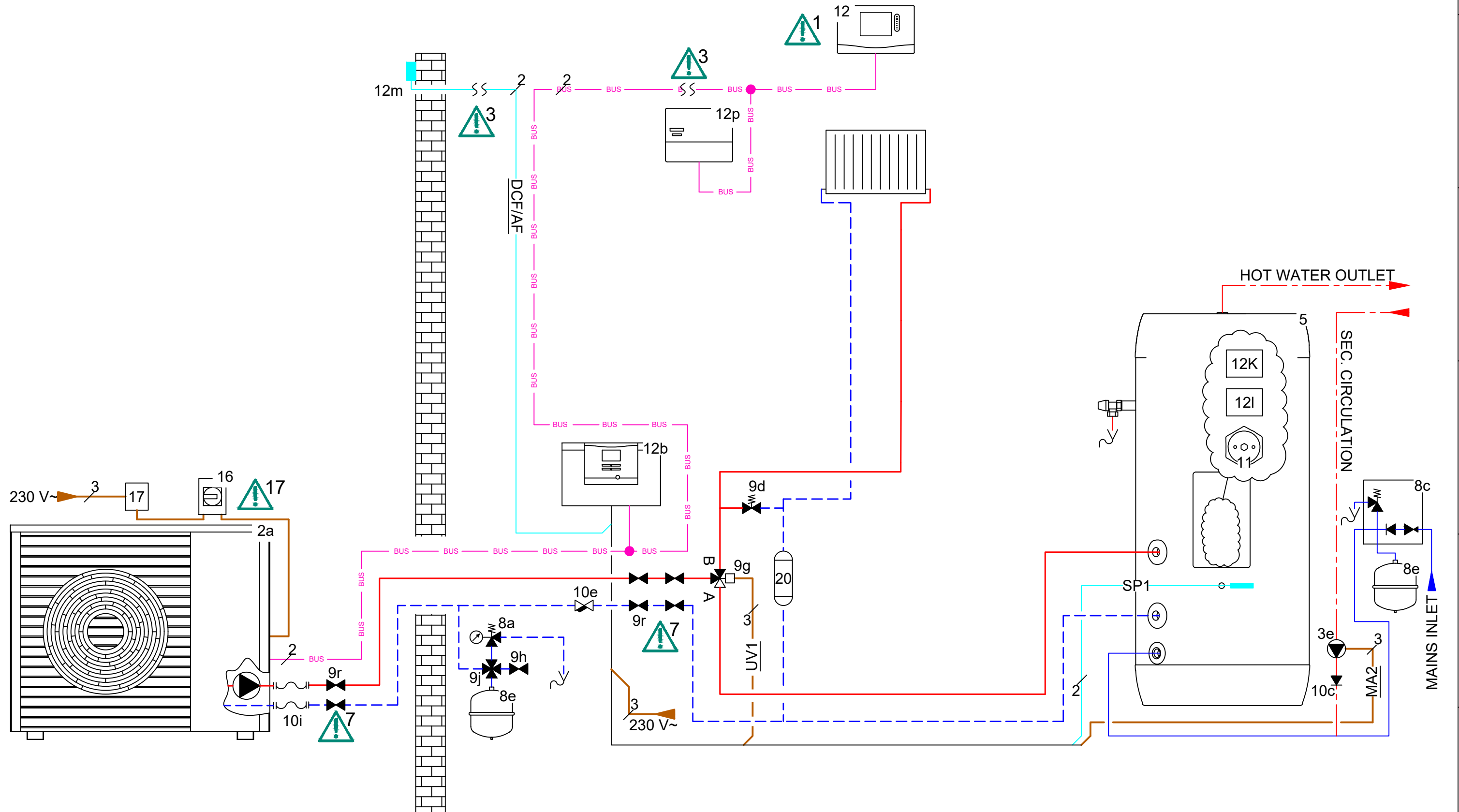
30260-1011



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.FLINN

24/10/2022

REV:

C

Appliance(s): aroTHERM Mono,

Control(s): sensoCOMFORT

HTG. Circuit(s): 1x Radiator - Direct ,

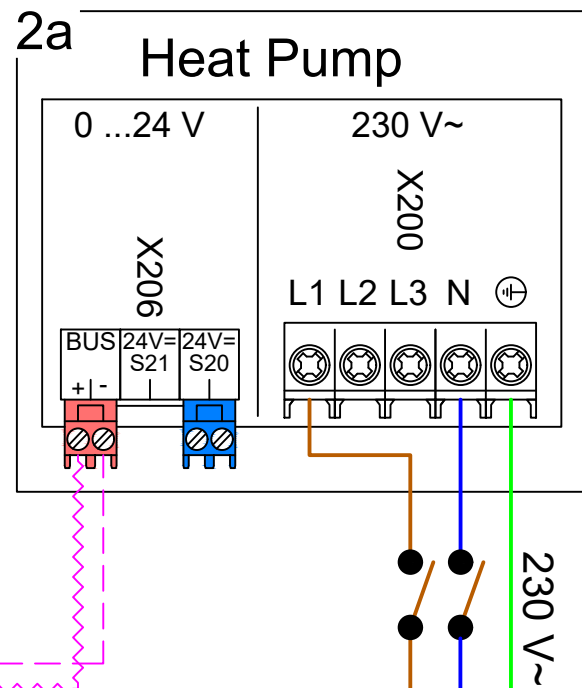
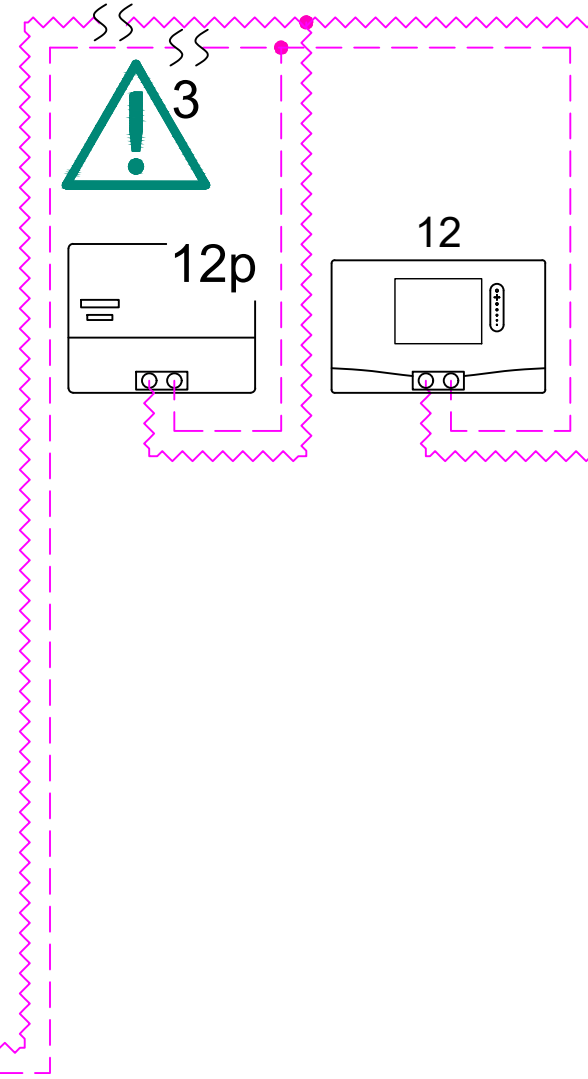
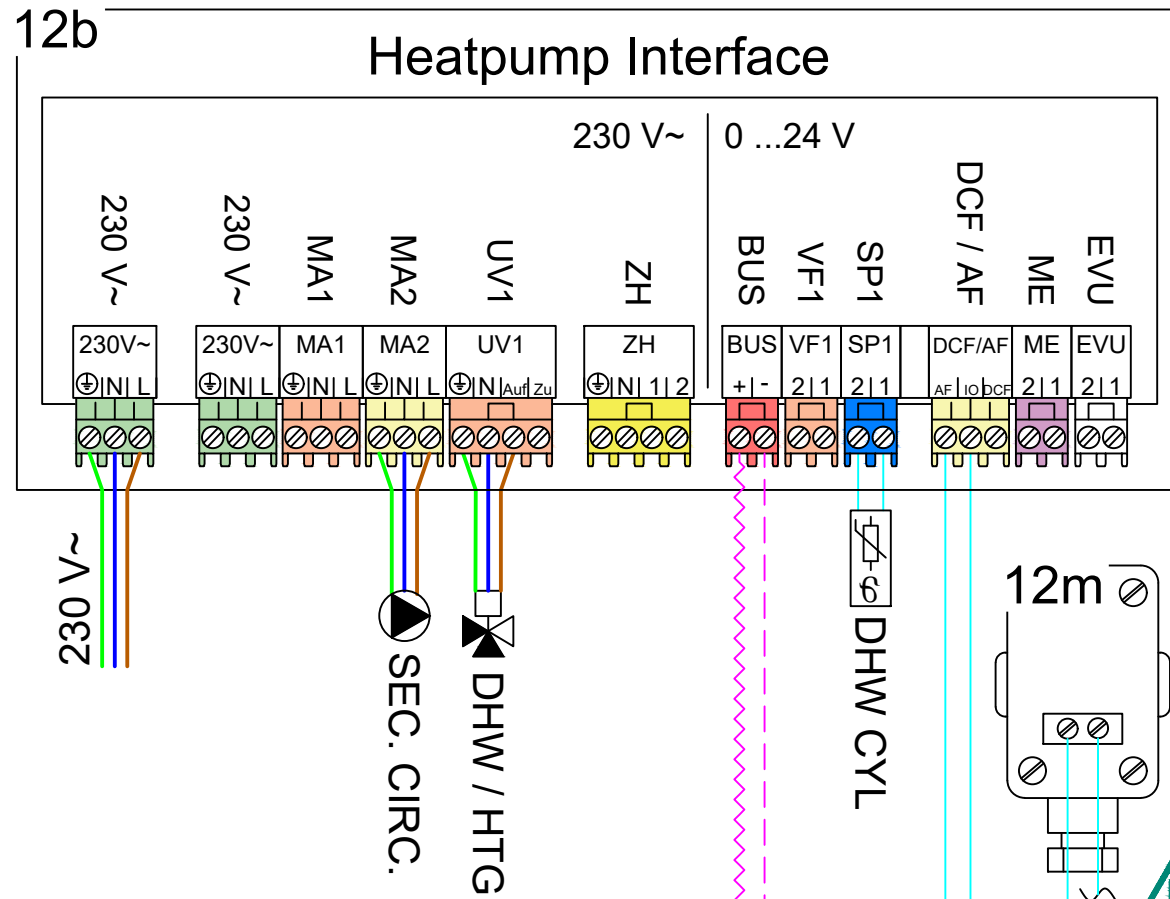
Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30260-1011

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- 02 aroTHERM Monoblock
- 03e Secondary Circulation Pump
- 05 uniSTOR DHW Cylinder
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10i Flexible Connection
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12b Heat Pump Interface
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Reciever
- 16 Rotary Isolator
- 17 Electric Meter
- 20 18L Volumizer (Additional System Volume)

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value
Installation	
Adapt. heat curve:	Deactivated
Hybrid manager:	Bivalence pt
Heating bivalence point:	-20°
DHW bivalence point:	-20°
Alternative point:	Off
ESCO:	HP Off
Back-up boiler:	Off
Basic system diagram config.	
Basic system diagram code:	8
HP control module configuration	
MO 2:	Circulation pump
Circuit 1	
Circuit type:	Heating
OT switch-off threshold:	30°
Heat curve:	**Site specific
Min. target flow temperature:	15°
Max. target flow temperature:	45°
Set-back mode:	Normal
Room temp. mod.:	Expanded
Zone 1	
Zone activated:	Yes
Zone assignment:	Control
Domestic hot water	
Cylinder:	Active
Anti-legio. day:	**User preference
Anti-legio. time:	**User preference
Cylinder charging offset:	15 K
Cyl. charg. anti-cycl. time:	5 min

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module. Immersion removed, secondary circulation pump added.
B	11/02/2021	VF1 (Heating Flow) flow sensor removed.

REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

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Drawn: A.FLINN

Appliance(s): aroTHERM Mono,

HTG. Circuit(s): 1x Radiator - Direct ,

24/10/2022

REV: C

Control(s): sensoCOMFORT

Domestic Hot Water: 1x Cylinder

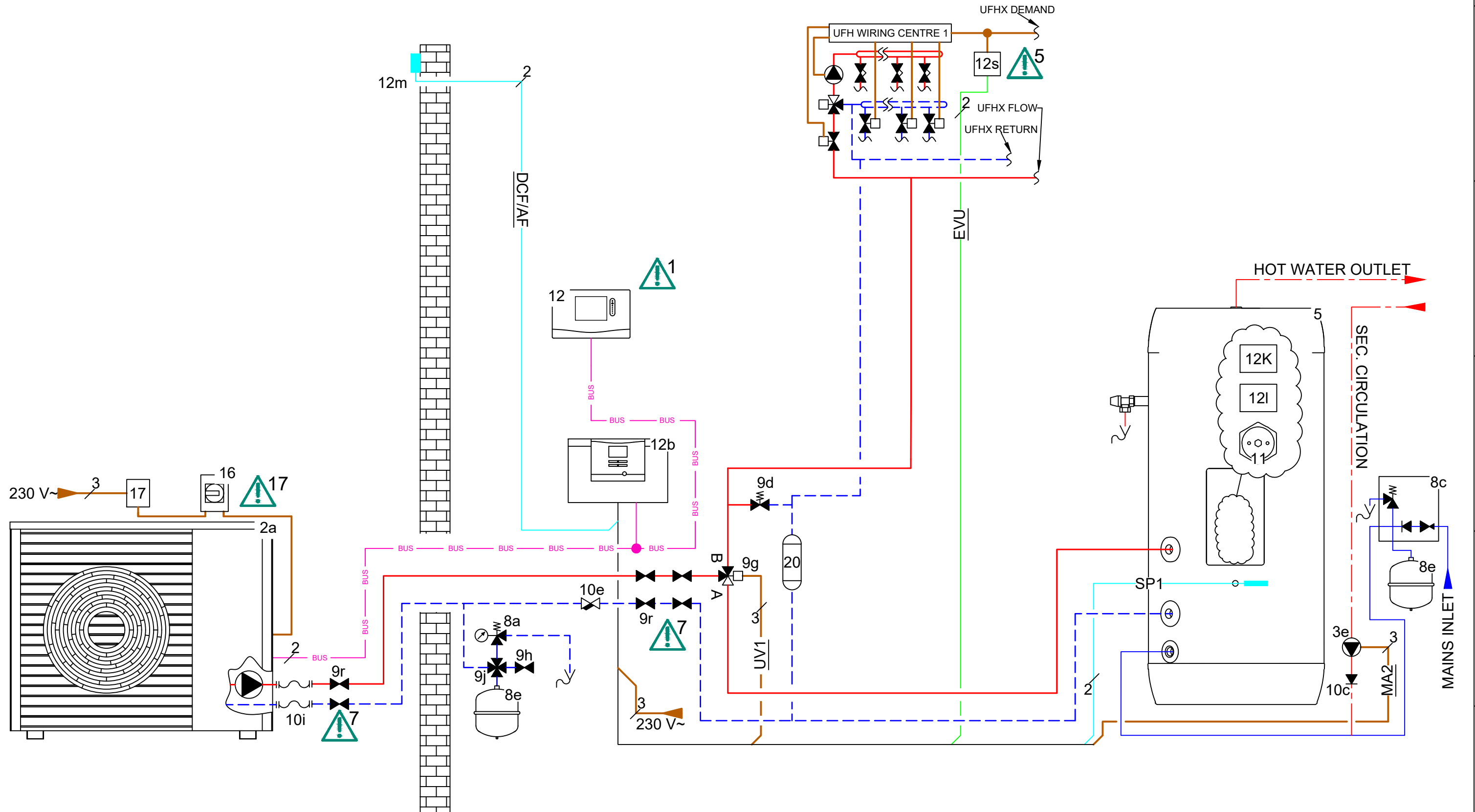
30261-1011



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.Rice

24/10/2022

REV:

F

Appliance(s): aroTHERM Mono,

Control(s): sensoCOMFORT VRC 720

HTG. Circuit(s): 1x UFH(X) - 3rd Party, .

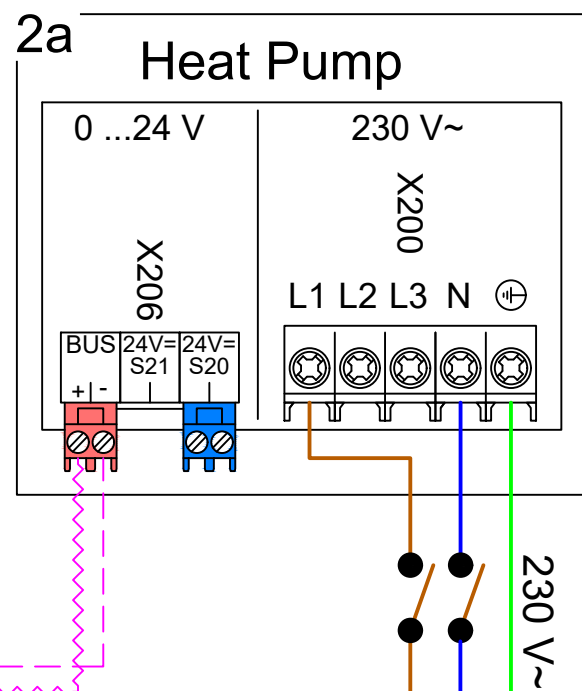
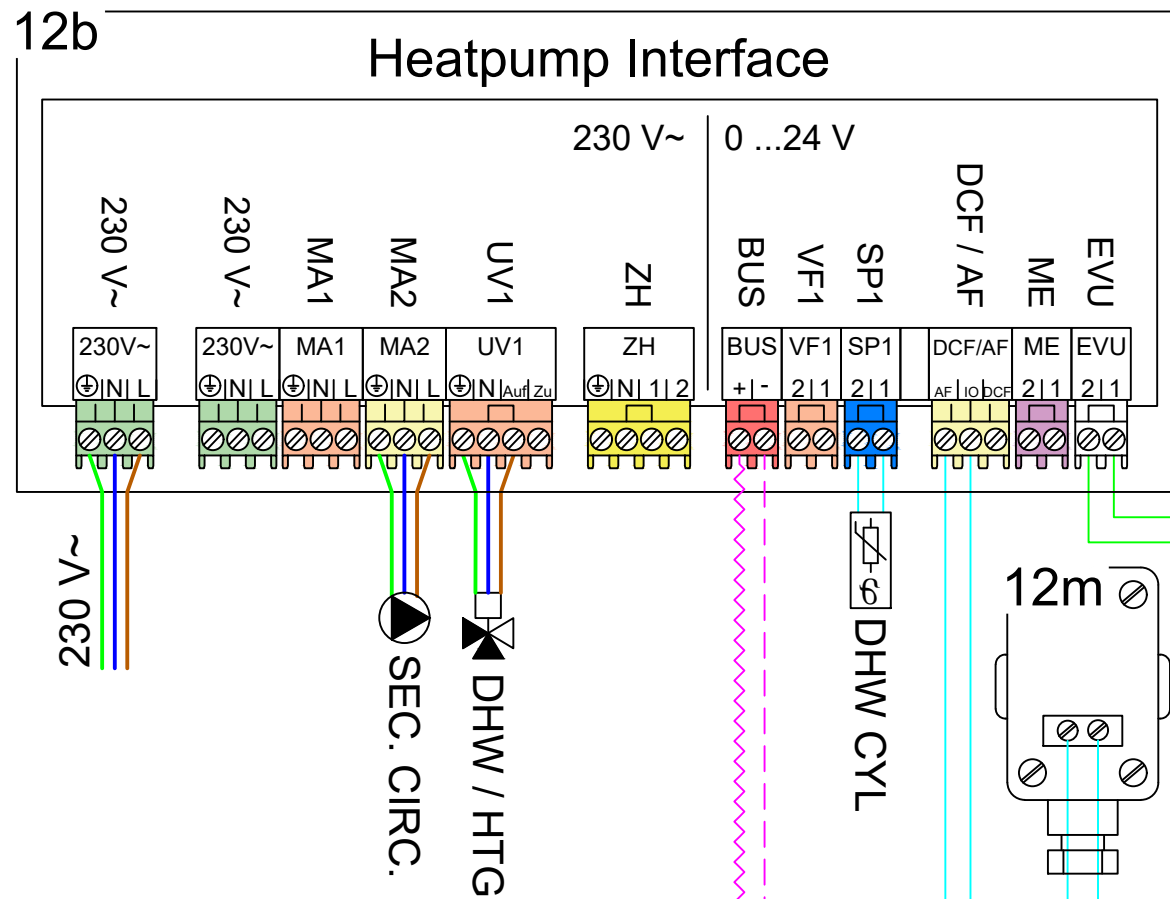
Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30261-1011

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- 02 aroTHERM Monoblock
- 03e Secondary Circulation Pump
- 05 uniSTOR DHW Cylinder
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10i Flexible Connection
- 11 Immersion Heater
- 12 sensoCOMFORT
- 12b Heat Pump Interface
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 16 Rotary Isolator
- 17 Electric Meter
- 20 18L Volumizer (Additional System Volume)

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Zone 1	
Adapt. heat curve:	Deactivated	Zone activated:	Yes
Hybrid manager:	Bivalence pt	Zone assignment:	Control
Heating bivalence point:	-20°	DHW circuit	
DHW bivalence point:	-20°	Cylinder	active
Alternative point:	Off	Anti-legionella day	**User preference
ESCO:	Heating off	Anti-legionella time	**User preference
Back-up boiler:	Off	Cylinder boost offset	15 K
Actuation reversal:	On	DHW req. anti-cy time	5 min
Basic system diagram config.			
Basic system diagram code:	8		
HP control module configuration			
MO 2:	Circulation pump		
Circuit 1			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Eco		
Room temp. mod.:	Inactive		

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.
		Immersion removed, secondary circulation pump added.

B	11/02/2021	VF1 (Heating Flow) flow sensor removed.
---	------------	---

REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

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Drawn: A.Rice

24/10/2022

REV: F

Appliance(s): aroTHERM Mono,

Control(s): sensoCOMFORT VRC 720

HTG. Circuit(s): 1x UFH(X) - 3rd Party, ,

Domestic Hot Water: 1x Cylinder

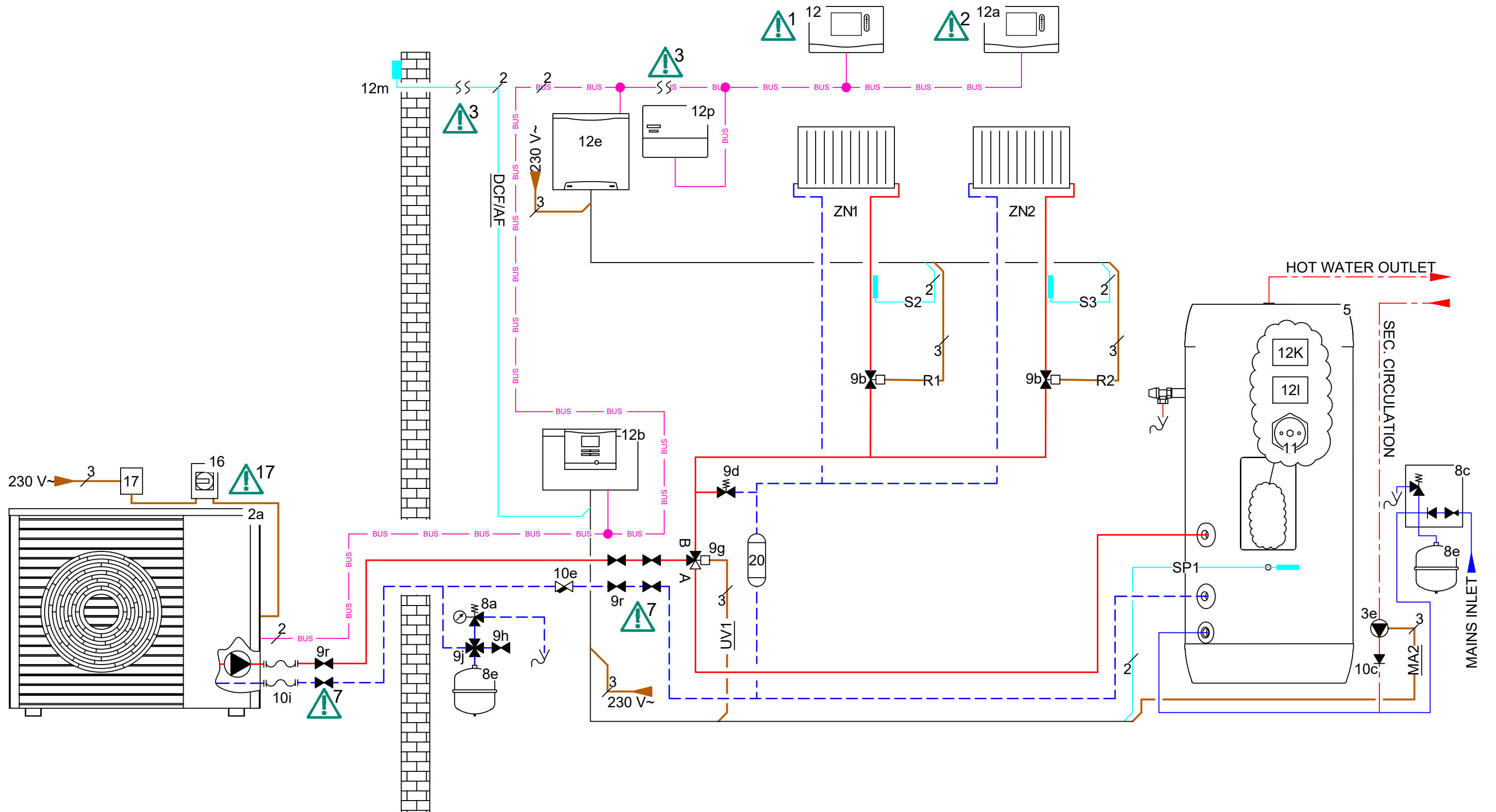
30270-1012



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 2. Set VR92 remote address to its zone number - 1
eg. If VR92 is in zone 3, then remote address must be set to 2.

- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters
- 17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.FLINN

24/10/2022

REV: C

Appliance(s): aroTHERM Mono,

Control(s): sensoCOMFORT, VR 92

HTG. Circuit(s): 2x Radiator - Direct ,

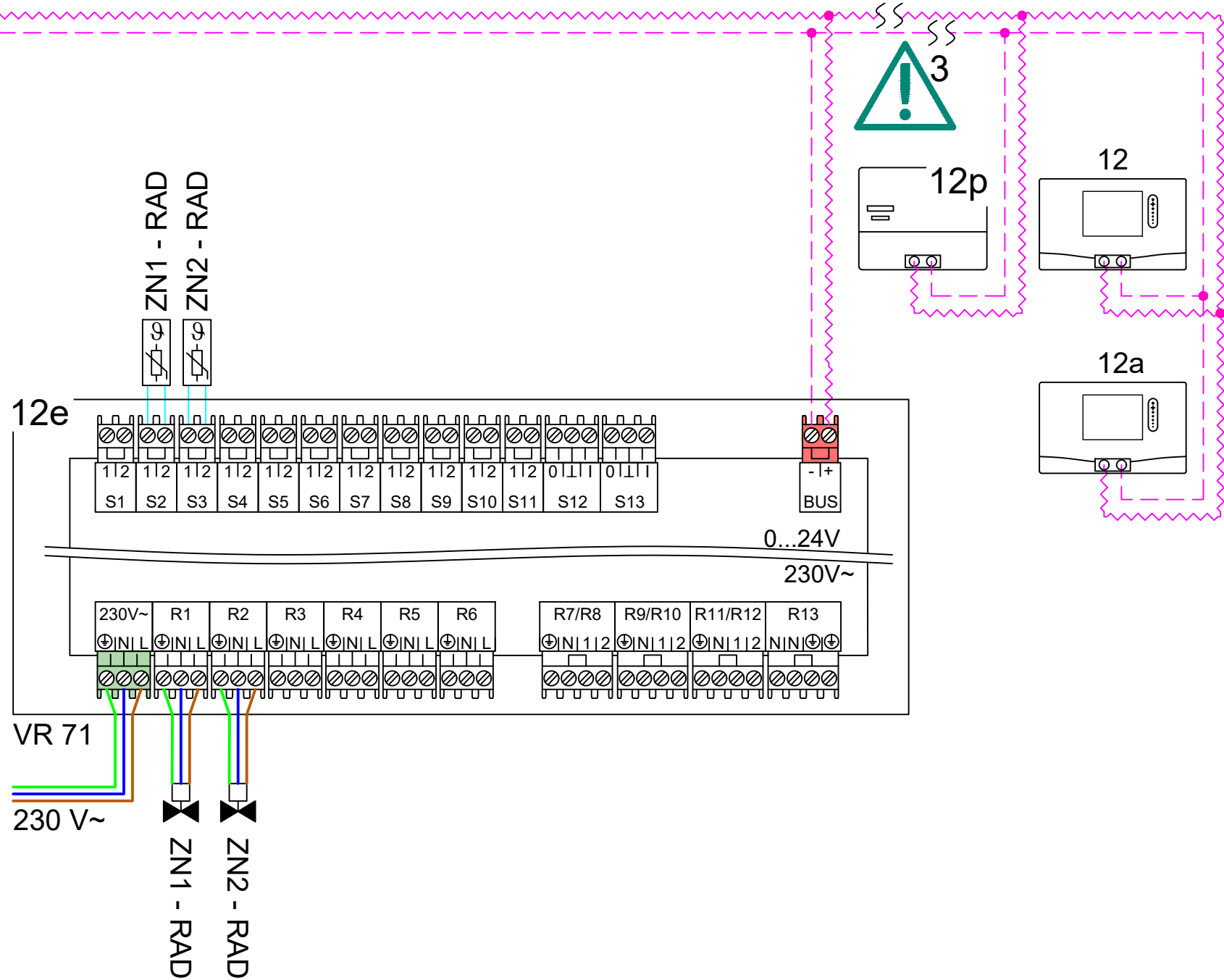
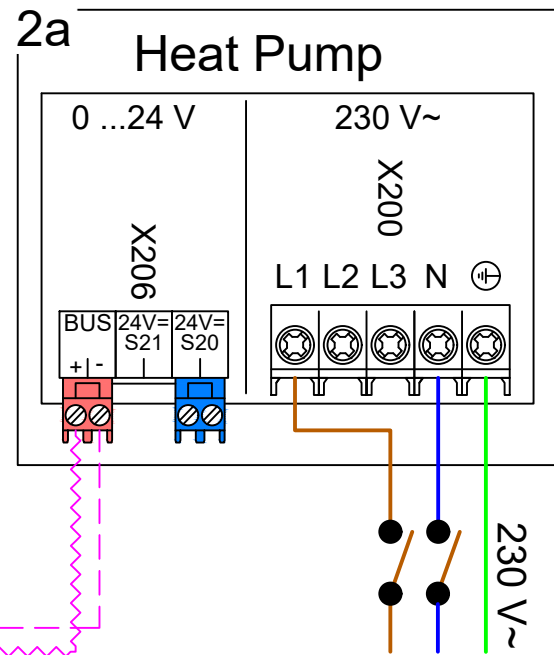
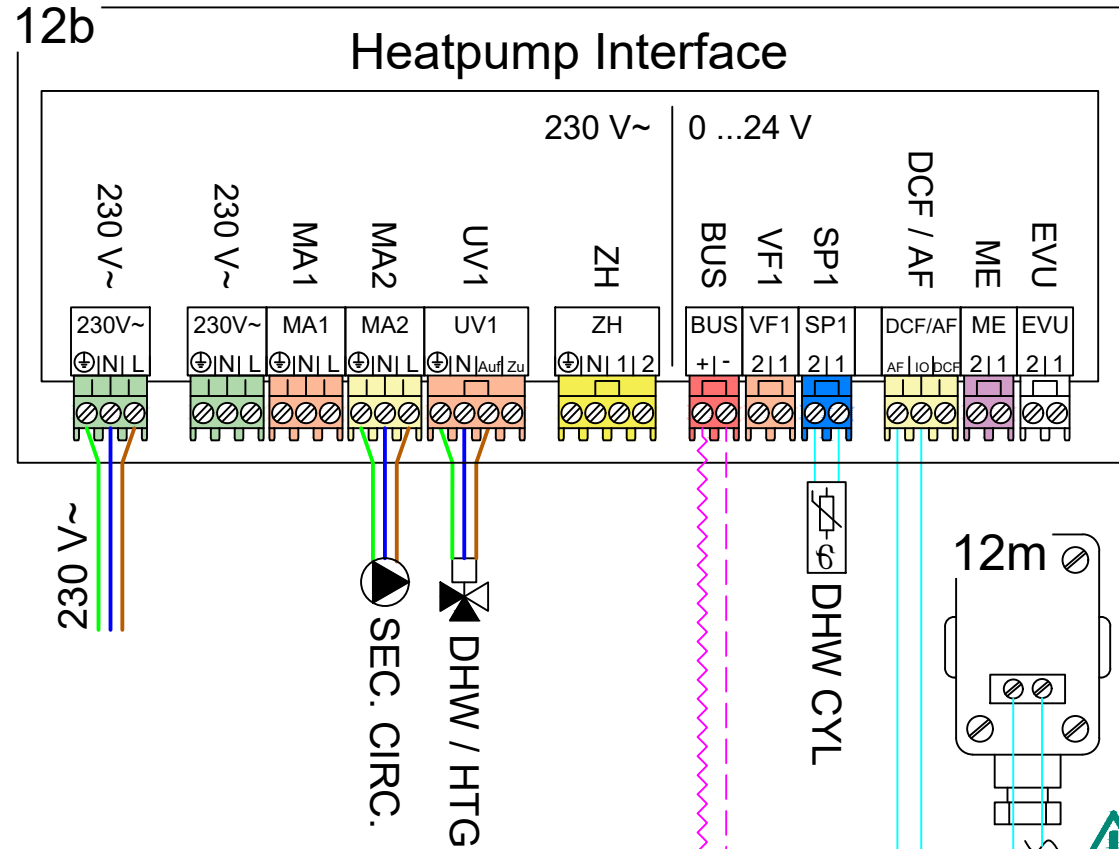
Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.

1. See page 3 for relevant controller system configuration settings.
2. Set VR92 remote address to its zone number - 1
eg. If VR92 is in zone 3, then remote address must be set to 2.

3. Controls and outdoor sensor can be wired or wireless
7. Optional for Heat Meters
17. Rotary Isolator must be situated outside of the Protective Zone



30270-1012

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- 02 aroTHERM Monoblock
- 03e Secondary Circulation Pump
- 05 uniSTOR DHW Cylinder
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10i Flexible Connection
- 11 Immersion Heater
- 12b Heat Pump Interface
- 12e Wiring Centre - VR 71
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Reciever
- 16 Rotary Isolator
- 17 Electric Meter
- 20 18L Volumizer (Additional System Volume)

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Circuit 2	
Adapt. heat curve:	Deactivated	Circuit type:	Heating
Hybrid manager:	Bivalence pt	OT switch-off threshold:	30°
Heating bivalence point:	-20°	Heat curve:	**Site specific
DHW bivalence point:	-20°	Min. target flow temperature:	15°
Alternative point:	Off	Max. target flow temperature:	45°
ESCO:	HP Off	Set-back mode:	Normal
Back-up boiler:	Off	Room temp. mod.:	Expanded
Conf. ext. input:	Bridge, deactiv.	Zone 1	
Basic system diagram config.		Zone activated:	Yes
Basic system diagram code:	8	Zone assignment:	Control
FM5 configuration:	3	Zone 2	
FM5 MO:	Not working	Zone activated:	Yes
HP control module configuration		Zone assignment:	Rem. contr. 1
MO 2:	Circulation pump	Domestic hot water	
Circuit 1		Cylinder:	Active
Circuit type:	Heating	Anti-legio. day:	**User preference
OT switch-off threshold:	30°	Anti-legio. time:	**User preference
Heat curve:	**Site specific	Cylinder charging offset:	15 K
Min. target flow temperature:	15°	Cyl. charg. anti-cycl. time:	5 min
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,D
		Immersion removed, secondary circulation pump added.	8,E

REV	DATE	DESCRIPTION	ZONE
		Domestic Cold Water	
		Domestic Hot Water	
		Heating Flow	
		Heating Return	
		Glycol Flow	
		Glycol Return	
		230/400V Wire	
		Low Voltage Sensor Wire	
		Low Voltage eBUS	BUS
		Low Voltage Demand Signal	
		eBUS +	
		eBUS -	
		Indicates Cable Junction	BUS
		Indicates No. of cable cores	3

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Drawn: A.FLINN

24/10/2022

REV: C

Appliance(s): aroTHERM Mono,

Control(s): sensoCOMFORT, VR 92

HTG. Circuit(s): 2x Radiator - Direct ,

Domestic Hot Water: 1x Cylinder

30271-1012

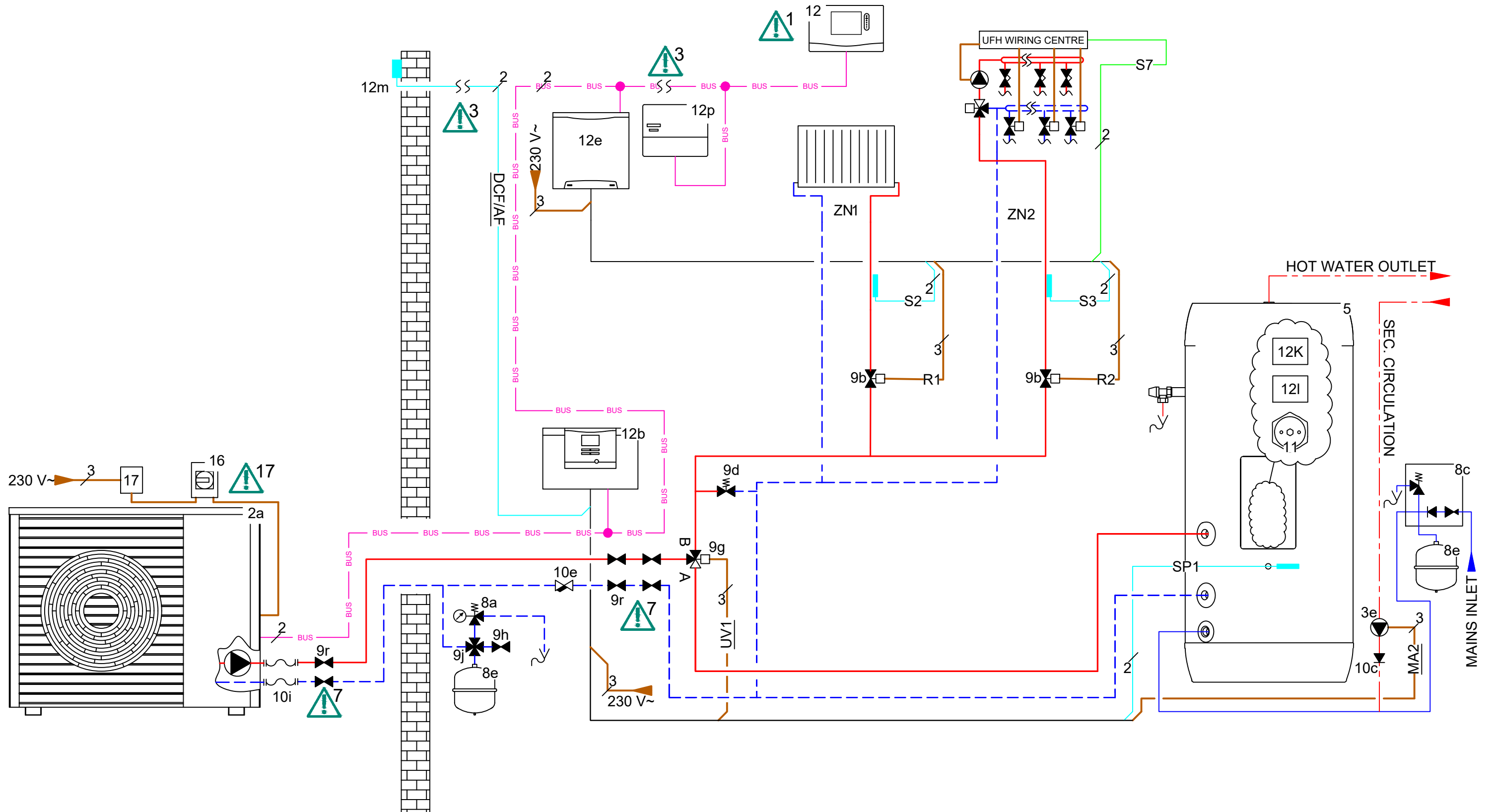


-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 4. Link required (not factory fitted).

5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.

- 7. Optional for Heat Meters
- 17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A. Rice

24/10/2022

REV:

F

Appliance(s): aroTHERM Mono,

Control(s): sensoCOMFORT

HTG. Circuit(s): 1x Radiator - Direct, 1x UFH(X) - 3rd Party,

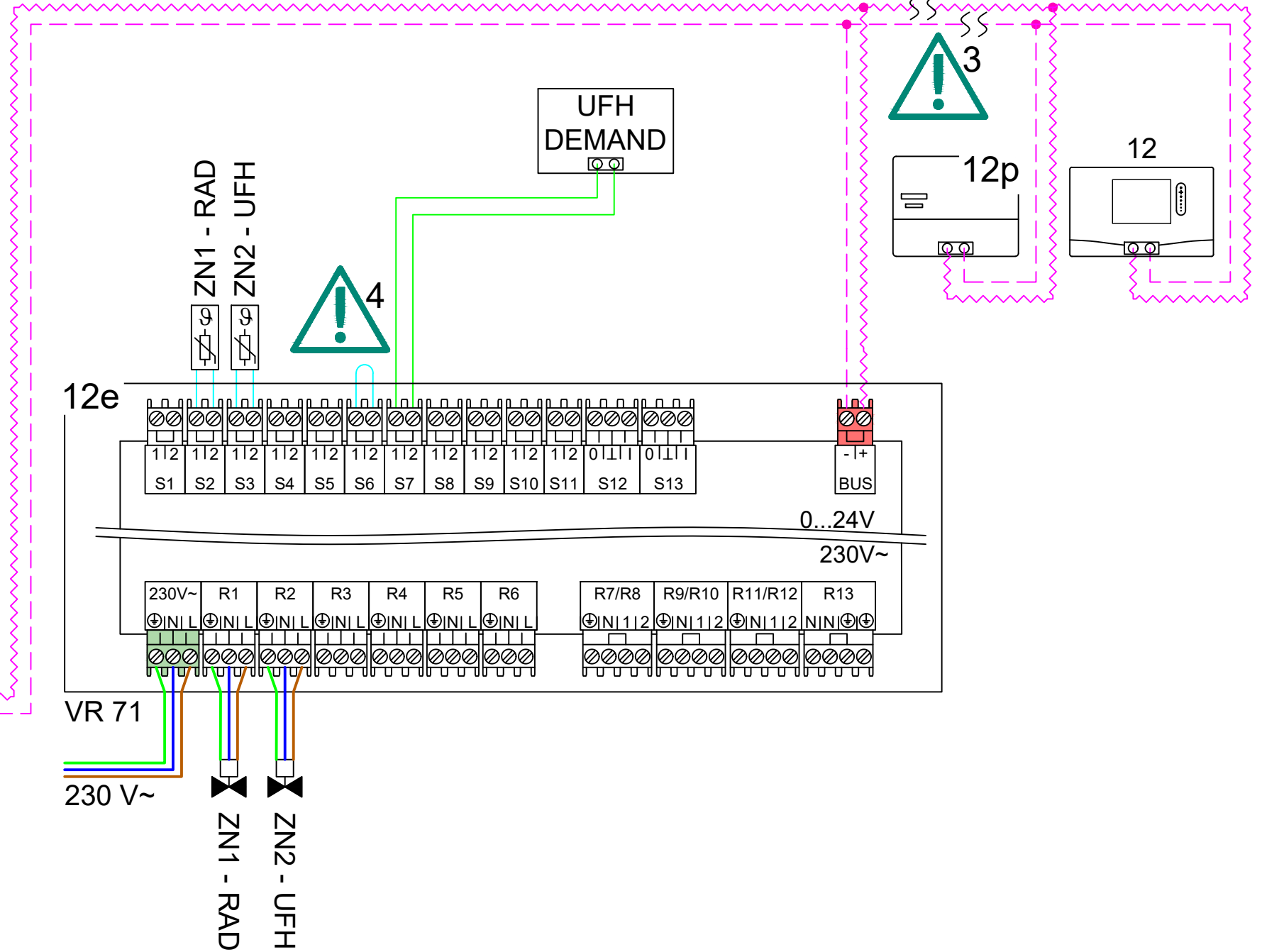
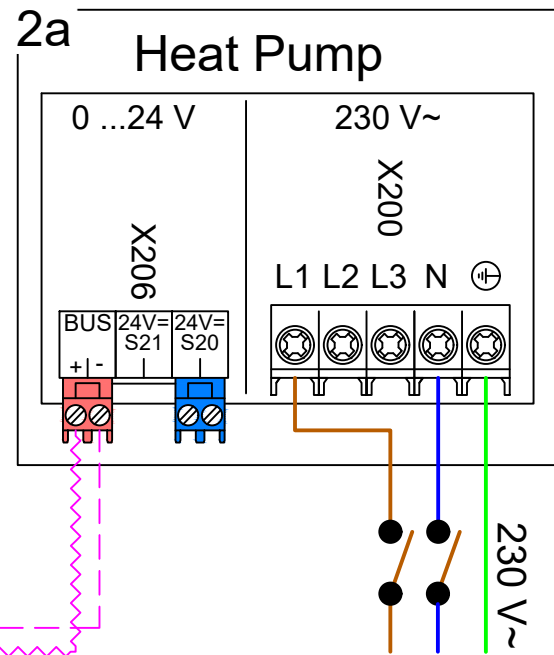
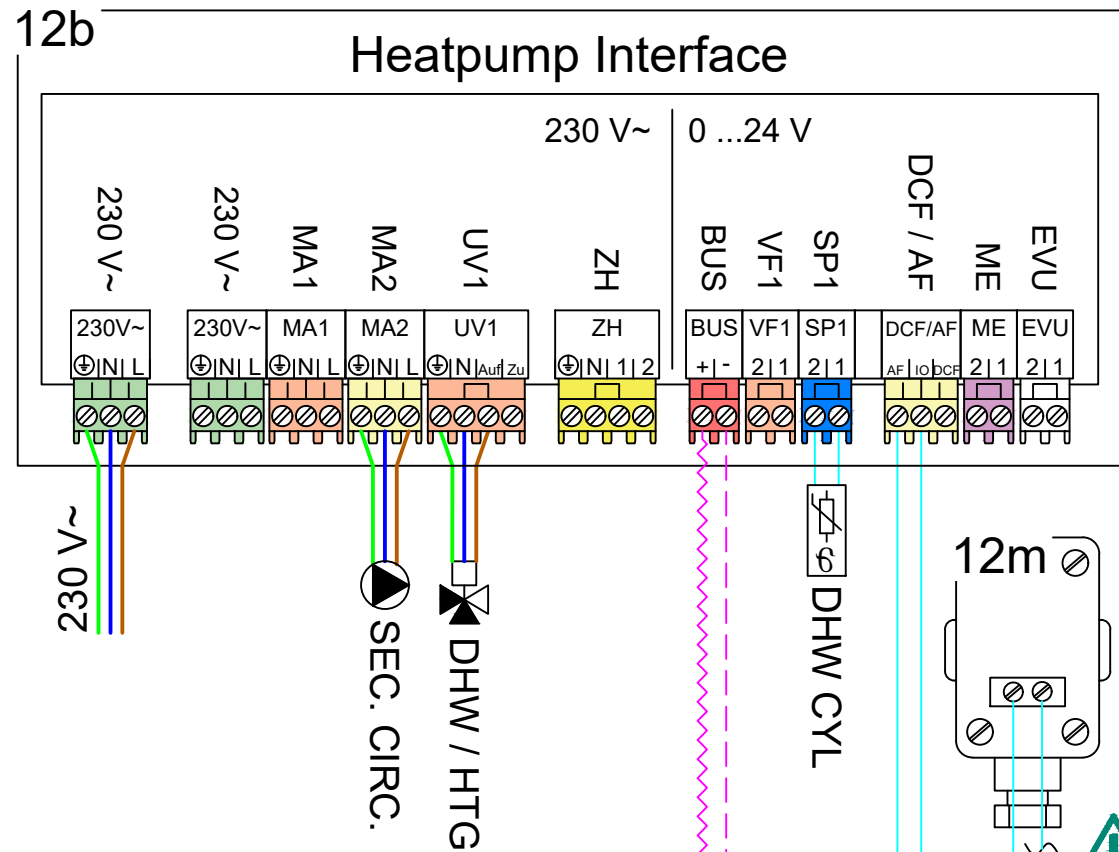
Domestic Hot Water: 1x Cylinder

30271-1012



-See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 3. Controls and outdoor sensor can be wired or wireless
 4. Link required (not factory fitted).

5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
 7. Optional for Heat Meters
 17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A. Rice

Appliance(s): aroTHERM Mono,

HTG. Circuit(s): 1x Radiator - Direct, 1x UFH(X) - 3rd Party,

24/10/2022

REV: F

Control(s): sensoCOMFORT

Domestic Hot Water: 1x Cylinder

30271-1012

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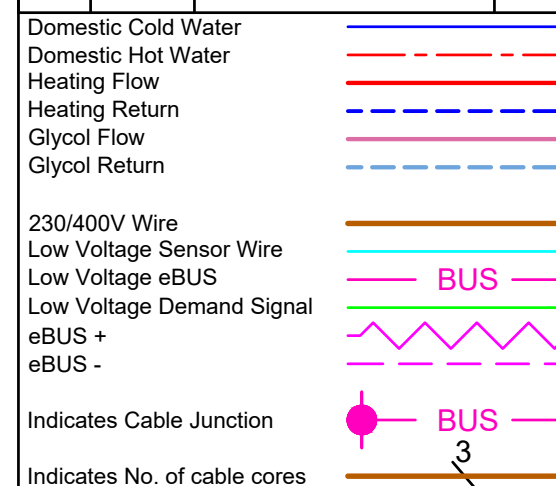
- 02 aroTHERM Monoblock
- 03e Secondary Circulation Pump
- 05 uniSTOR DHW Cylinder
- 08a Pressure Relief Valve
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09g Diverter Valve
- 09h Fill / Drain Valve
- 09j Expansion Vessel Service Valve
- 09r Isolation Valve
- 10c Non-return Valve
- 10e Y Strainer
- 10i Flexible Connection
- 11 Immersion Heater
- 12b Heat Pump Interface
- 12b Heat Pump Interface
- 12e Wiring Centre - VR 71
- 12K High Limit Cut Out
- 12l Cylinder Thermostat
- 12m Outdoor Temperature Sensor
- 12p Wireless Reciever
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Circuit 2	
Adapt. heat curve:	Deactivated	Circuit type:	Heating
Hybrid manager:	Bivalence pt	OT switch-off threshold:	30°
Heating bivalence point:	-20°	Heat curve:	**Site specific
DHW bivalence point:	-20°	Min. target flow temperature:	15°
Alternative point:	Off	Max. target flow temperature:	45°
ESCO:	HP Off	Set-back mode:	Eco
Back-up boiler:	Off	Room temp. mod.:	Inactive
Conf. ext. input:	Open, deactiv.	Zone 1	
Basic system diagram config.		Zone activated:	Yes
Basic system diagram code:	8	Zone assignment:	Control
FM5 configuration:	3	Zone 2	
FM5 MO:	Not working	Zone activated:	Yes
HP control module configuration		Zone assignment:	No assignmt
MO 2:	Circulation pump	Domestic hot water	
Circuit 1		Cylinder:	Active
Circuit type:	Heating	Anti-legio. day:	**User preference
OT switch-off threshold:	30°	Anti-legio. time:	**User preference
Heat curve:	**Site specific	Cylinder charging offset:	15 K
Min. target flow temperature:	15°	Cyl. charg. anti-cycl. time:	5 min
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		

REV	DATE	DESCRIPTION	ZONE
C	21/10/2020	" Conf. ext. input: " setting changed to " Open, deactiv. " for configuration settings.	2,C
B	23/09/2020	Notification description number 4 added to notification bar.	-
A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,D
		Immersion removed, secondary circulation pump added.	8,E



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Drawn: A. Rice

24/10/2022

REV: F

Appliance(s): aroTHERM Mono,

Control(s): sensoCOMFORT

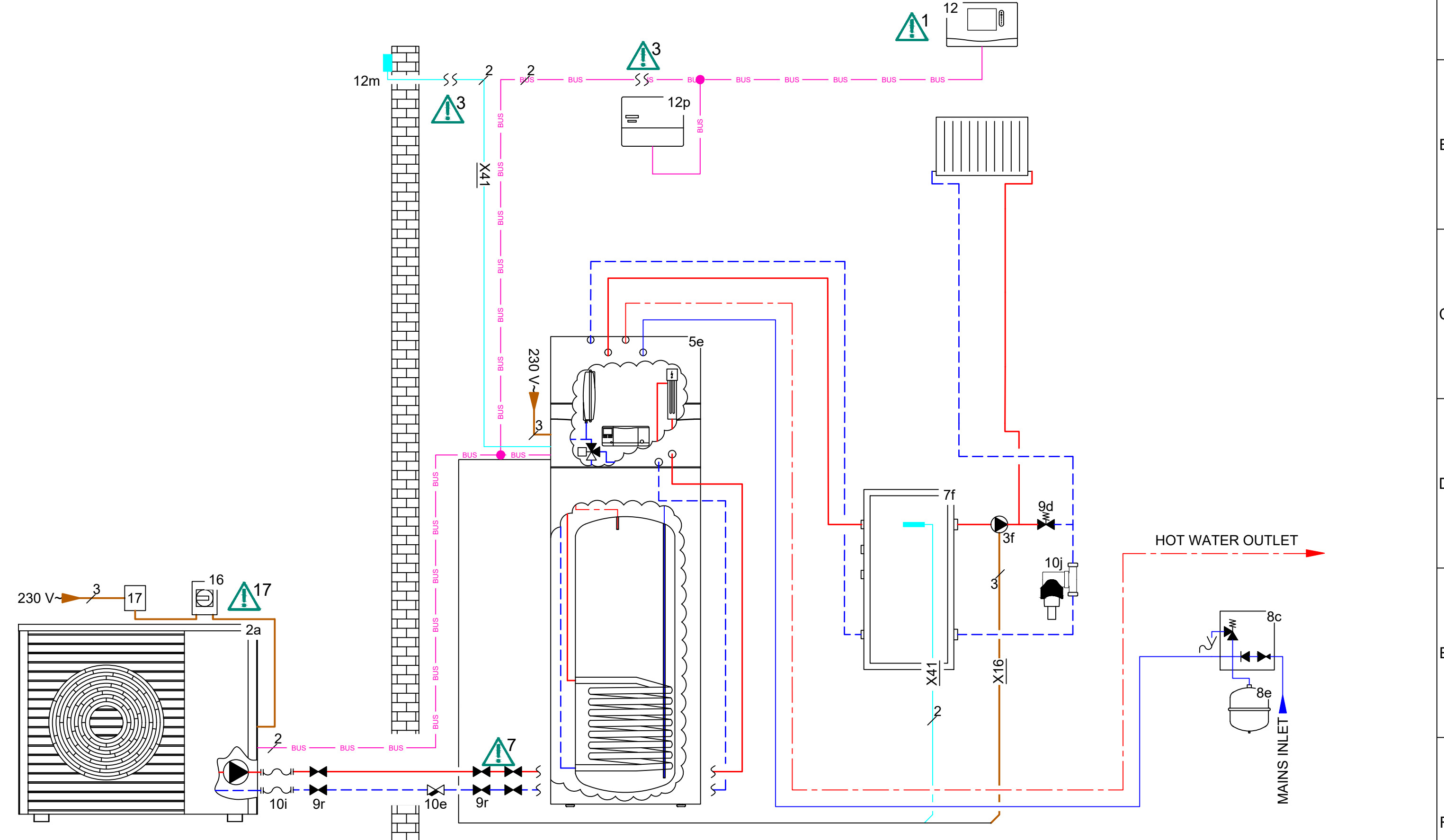
HTG. Circuit(s): 1x Radiator - Direct, 1x UFH(X) - 3rd Party,

Domestic Hot Water: 1x Cylinder



-See page 2 for detailed wiring.
 1. See page 3 for relevant controller system configuration settings.
 3. Controls and outdoor sensor can be wired or wireless
 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

Appliance(s): aroTHERM Mono, uniTOWER, Buffer (45/100L)

HTG. Circuit(s): 1x Radiator - Direct ,

24/10/2022

REV: C

Control(s): sensoCOMFORT

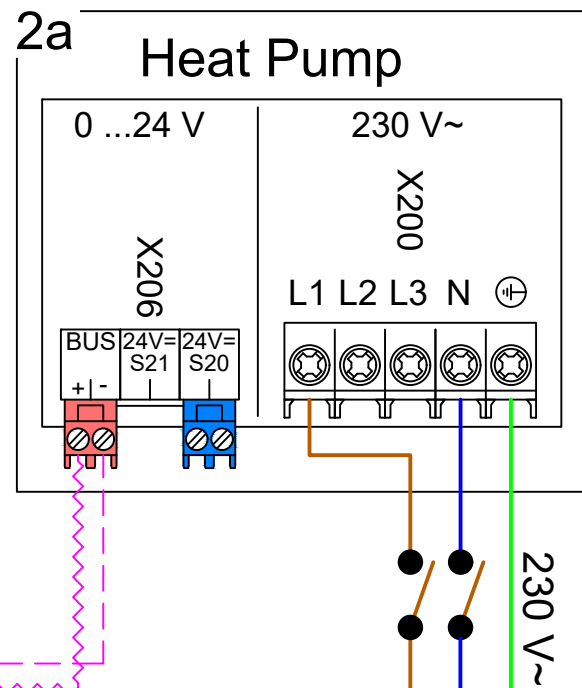
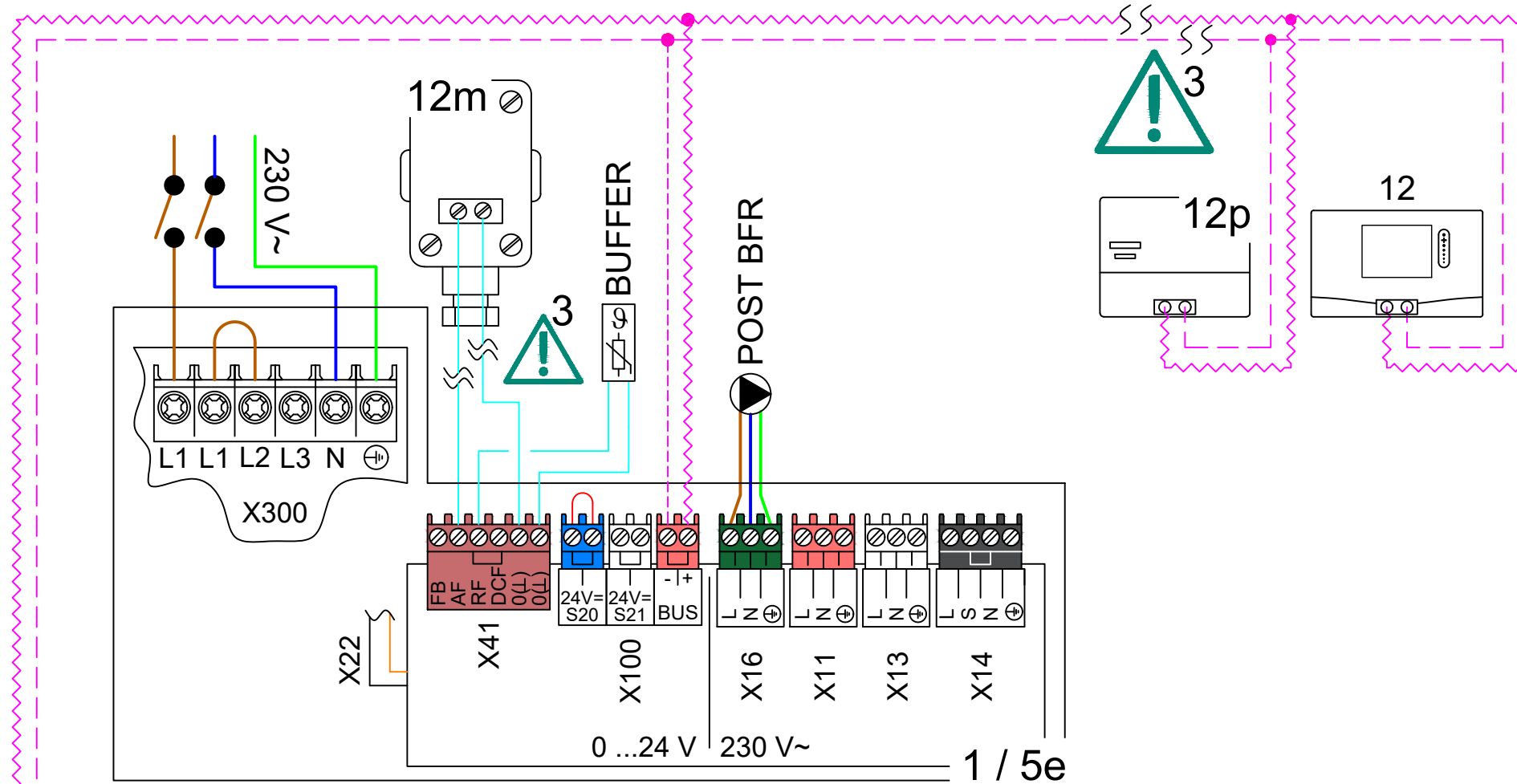
Domestic Hot Water: uniTOWER



-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



30220-1011

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- 02 aroTHERM Monoblock
- 03f General Pump
- 05e uniTOWER
- 07f 45/100L Buffer
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09r Isolation Valve
- 10e Y Strainer
- 10i Flexible Connection
- 10j Magnetic Filter
- 12 sensoCOMFORT
- 12m Outdoor Temperature Sensor
- 12p Wireless Receiver
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value
Installation	
Adapt. heat curve:	Deactivated
Hybrid manager:	Bivalence pt
Heating bivalence point:	-20°
DHW bivalence point:	-20°
Alternative point:	Off
ESCO:	HP Off
Back-up boiler:	Off
Basic system diagram config.	
Basic system diagram code:	10
HP control module configuration	
MO 2:	Not connected
Circuit 1	
Circuit type:	Heating
OT switch-off threshold:	30°
Heat curve:	**Site specific
Min. target flow temperature:	15°
Max. target flow temperature:	45°
Set-back mode:	Normal
Room temp. mod.:	Expanded
Zone 1	
Zone activated:	Yes
Zone assignment:	Control
Domestic hot water	
Cylinder:	Active
Anti-legio. day:	**User preference
Anti-legio. time:	**User preference
Cylinder charging offset:	15 K
Cyl. charg. anti-cycl. time:	5 min

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.
B	11/02/2021	RF (Decoupler) flow sensor removed.

REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

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Drawn: A.RICE
24/10/2022 REV: C

Appliance(s): aroTHERM Mono, uniTOWER, Buffer (45/100L)
Control(s): sensoCOMFORT

HTG. Circuit(s): 1x Radiator - Direct ,
Domestic Hot Water: uniTOWER

30221-1011

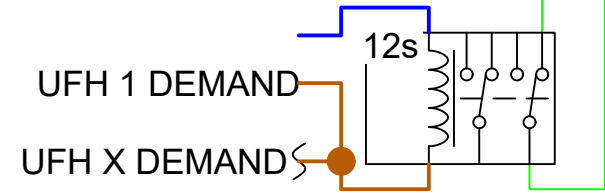
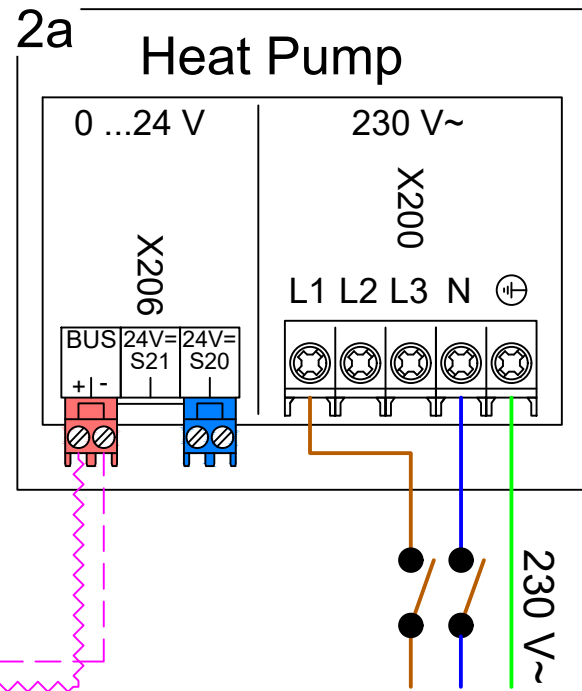
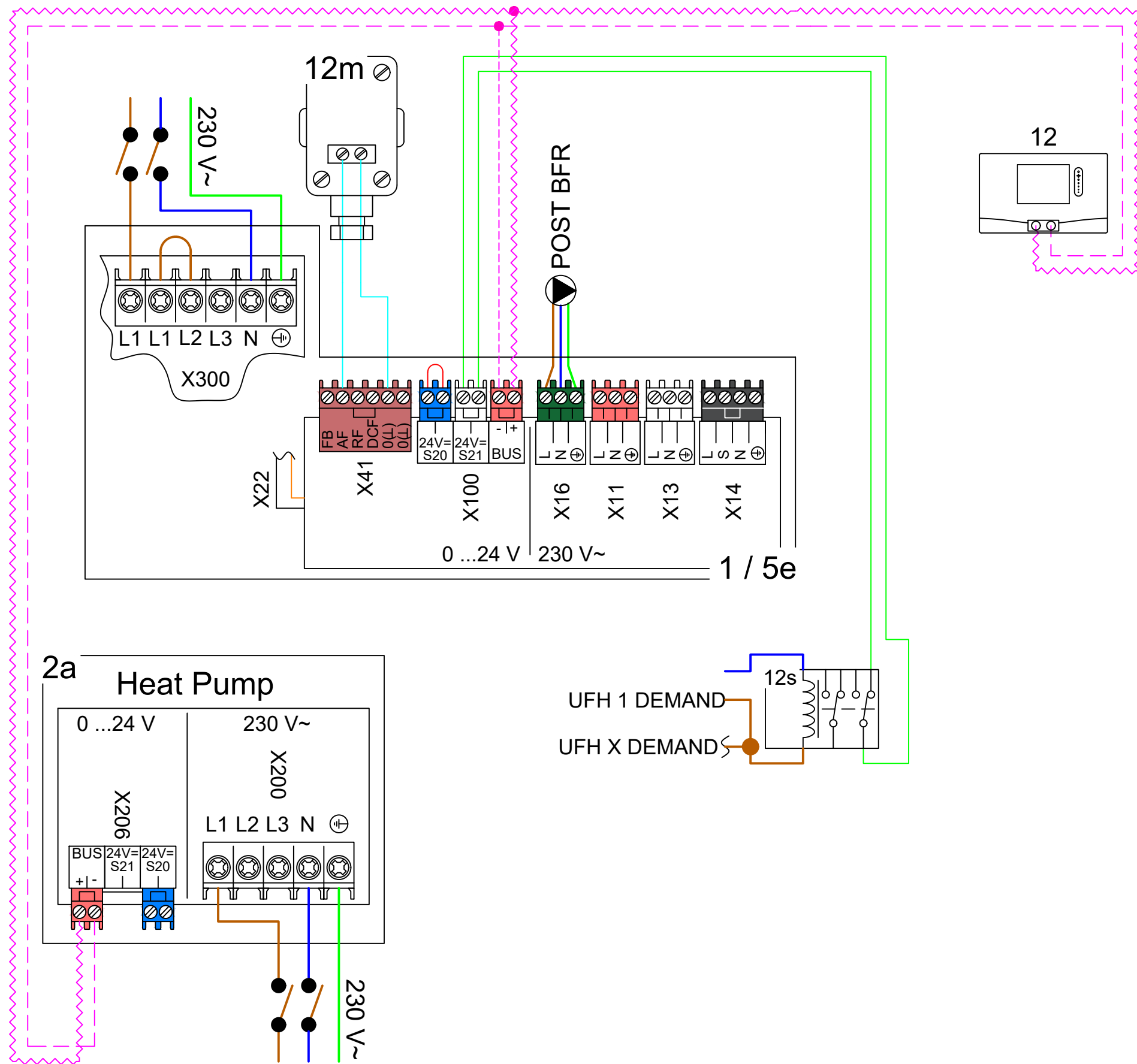


-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 5. DPDT Relay (not supplied by Vaillant). See page 2 for detailed wiring.
- 6. Mount externally or to fascia

7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE
24/10/2022 REV: C

Appliance(s): aroTHERM Mono, uniTOWER, Buffer (45/100L)
Control(s): sensoCOMFORT VRC720

HTG. Circuit(s): 1x UFH(X) - 3rd Party, .
Domestic Hot Water: uniTOWER

30221-1011

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- 02 aroTHERM Monoblock
- 03f General Pump
- 05e uniTOWER
- 07f 45/100L Buffer
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 09d Bypass Valve
- 09r Isolation Valve
- 10e Y Strainer
- 10i Flexible Connection
- 10j Magnetic Filter
- 12 sensoCOMFORT
- 12m Outdoor Temperature Sensor
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Domestic hot water	
Adapt. heat curve:	Deactivated	Cylinder:	Active
Hybrid manager:	Bivalence pt	Anti-legio. day:	**User preference
Heating bivalence point:	-20°	Anti-legio. time:	**User preference
DHW bivalence point:	-20°	Cylinder charging offset:	15 K
Alternative point:	Off	Cyl. charg. anti-cycl. time:	5 min
ESCO:	Heating off		
Back-up boiler:	Off		
Basic system diagram config.			
Basic system diagram code:	10		
HP control module configuration			
MO 2:	Not connected		
Circuit 1			
Circuit type:	Heating		
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Eco		
Room temp. mod.:	Inactive		
Zone 1			
Zone activated:	Yes		
Zone assignment:	No assignmt		

A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.
B	11/02/2021	RF (Decoupler) flow sensor removed.

REV	DATE	DESCRIPTION
		Domestic Cold Water
		Domestic Hot Water
		Heating Flow
		Heating Return
		Glycol Flow
		Glycol Return
		230/400V Wire
		Low Voltage Sensor Wire
		Low Voltage eBUS
		Low Voltage Demand Signal
		eBUS +
		eBUS -
		Indicates Cable Junction
		Indicates No. of cable cores

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, uniTOWER, Buffer (45/100L)

HTG. Circuit(s): 1x UFH(X) - 3rd Party, ,

24/10/2022

REV: C

Control(s): sensoCOMFORT VRC720

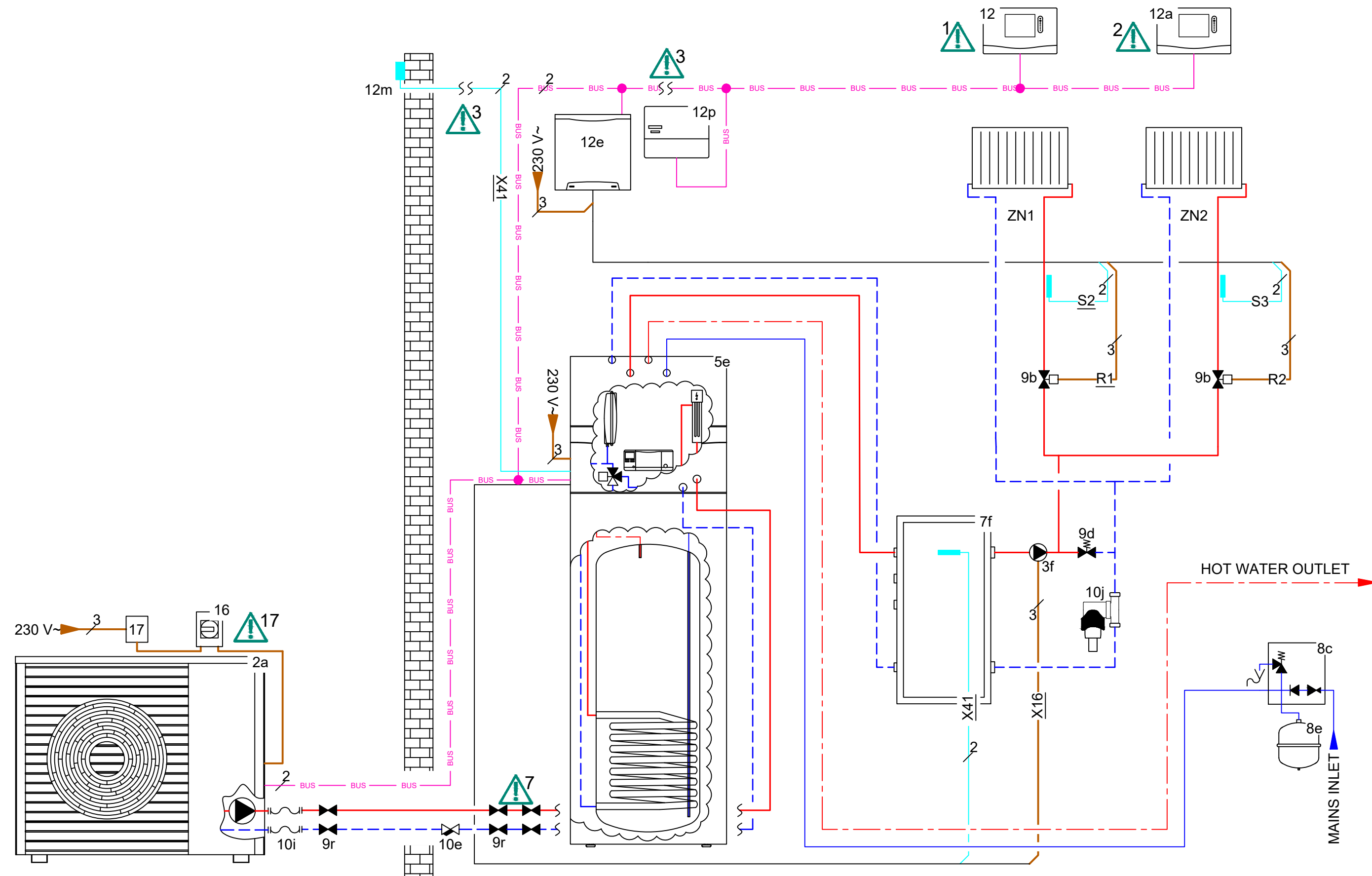
Domestic Hot Water: uniTOWER

30230-1012



- See page 2 for detailed wiring.
- 1. See page 3 for relevant controller system configuration settings.
- 2. Set VR92 remote address to its zone number - 1
eg. If VR92 is in zone 3, then remote address must be set to 2.

- 3. Controls and outdoor sensor can be wired or wireless
- 7. Optional for Heat Meters
- 17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022

REV: B

Appliance(s): aroTHERM Mono, uniTOWER, Buffer (45/100L)

Control(s): sensoCOMFORT, VR 92

HTG. Circuit(s): 2x Radiator - Direct ,

Domestic Hot Water: uniTOWER

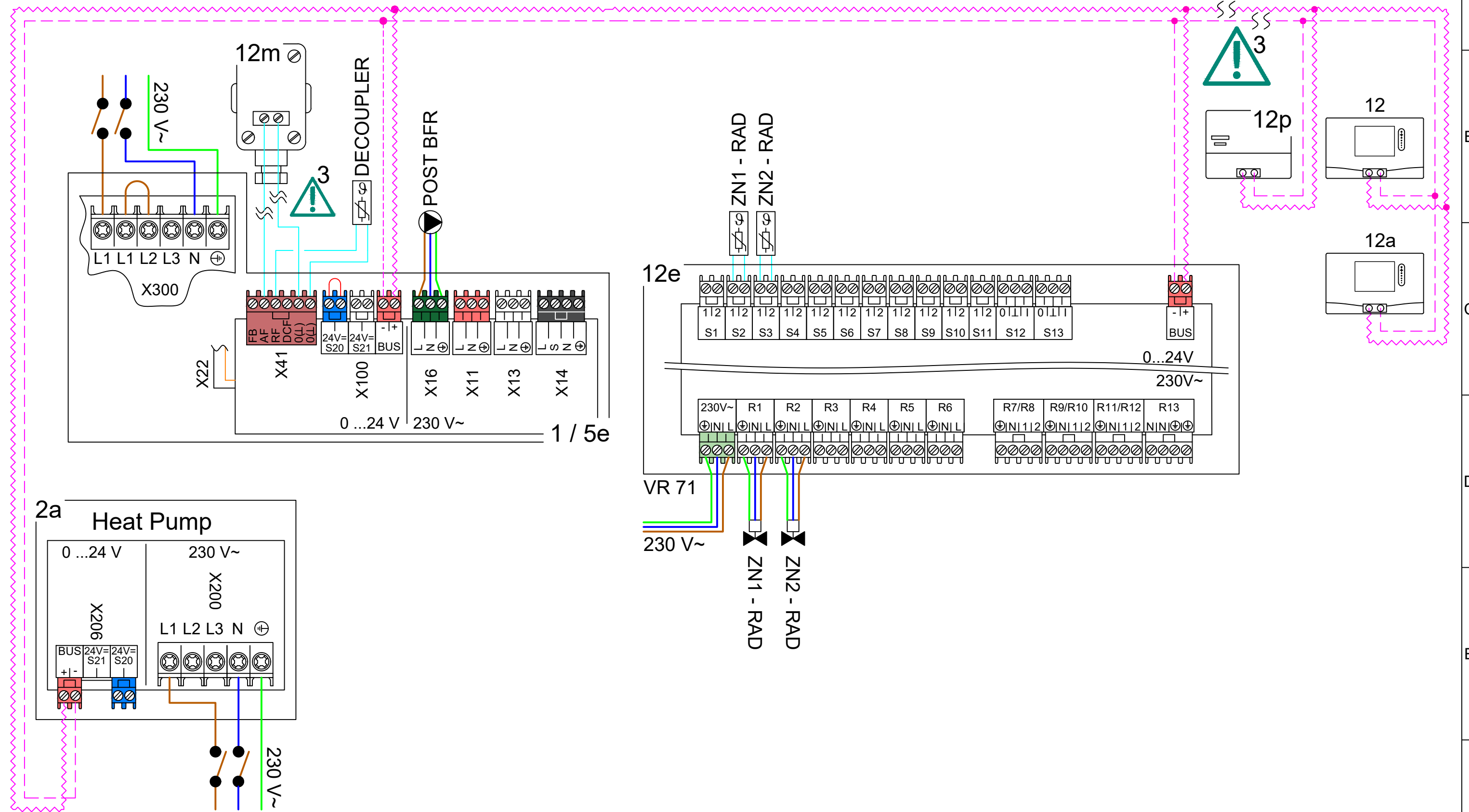
30230-1012



-See page 2 for detailed wiring.

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2. Set VR92 remote address to its zone number - 1
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Drawn: A.RICE

24/10/2022

REV: B

Appliance(s): aroTHERM Mono, uniTOWER, Buffer (45/100L)

Control(s): sensoCOMFORT, VR 92

HTG. Circuit(s): 2x Radiator - Direct ,

Domestic Hot Water: uniTOWER

30230-1012

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- 02 aroTHERM Monoblock
- 03f General Pump
- 05e uniTOWER
- 07f 45/100L Buffer
- 08c DHW Inlet Safety Group
- 08e Heating / DHW Expansion Vessel
- 09b Zone Valve
- 09d Bypass Valve
- 09r Isolation Valve
- 10e Y Strainer
- 10i Flexible Connection
- 10j Magnetic Filter
- 12 sensoCOMFORT
- 12e Wiring Centre - VR 71
- 12m Outdoor Temperature Sensor
- 12p Wireless Receiver
- 16 Rotary Isolator
- 17 Electric Meter

sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Circuit 2	
Adapt. heat curve:	Deactivated	Circuit type:	Heating
Hybrid manager:	Bivalence pt	OT switch-off threshold:	30°
Heating bivalence point:	-20°	Heat curve:	**Site specific
DHW bivalence point:	-20°	Min. target flow temperature:	15°
Alternative point:	Off	Max. target flow temperature:	45°
ESCO:	HP Off	Set-back mode:	Normal
Back-up boiler:	Off	Room temp. mod.:	Expanded
Conf. ext. input:	Bridge, deactiv.	Zone 1	
Basic system diagram config.		Zone activated:	Yes
Basic system diagram code:	10	Zone assignment:	Control
FM5 configuration:	3	Zone 2	
FM5 MO:	Not working	Zone activated:	Yes
HP control module configuration		Zone assignment:	Rem. contr. 1
MO 2:	Not connected	Domestic hot water	
Circuit 1		Cylinder:	Active
Circuit type:	Heating	Anti-legio. day:	**User preference
OT switch-off threshold:	30°	Anti-legio. time:	**User preference
Heat curve:	**Site specific	Cylinder charging offset:	15 K
Min. target flow temperature:	15°	Cyl. charg. anti-cycl. time:	5 min
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		

REV	DATE	DESCRIPTION	ZONE
A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E
Domestic Cold Water			
Domestic Hot Water			
Heating Flow			
Heating Return			
Glycol Flow			
Glycol Return			
230/400V Wire			
Low Voltage Sensor Wire			
Low Voltage eBUS		BUS	
Low Voltage Demand Signal			
eBUS +			
eBUS -			
Indicates Cable Junction		BUS	
Indicates No. of cable cores		3	

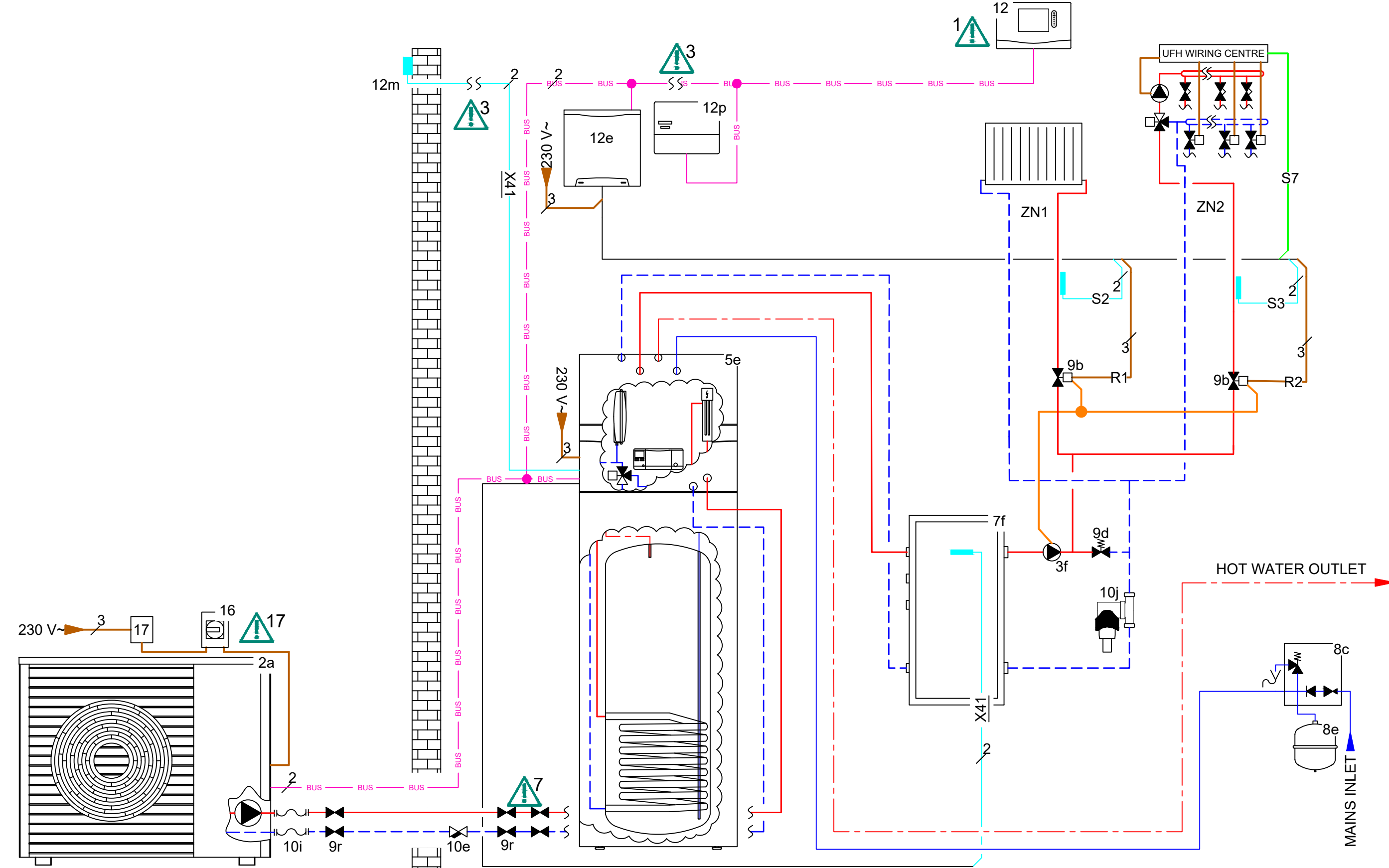


-See page 2 for detailed wiring.

- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 4. Link required (not factory fitted).

7. Optional for Heat Meters

17. Rotary Isolator must be situated outside of the Protective Zone



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Drawn: A.RICE

24/10/2022

REV: B

Appliance(s): aroTHERM Mono, uniTOWER, Buffer (45/100L)

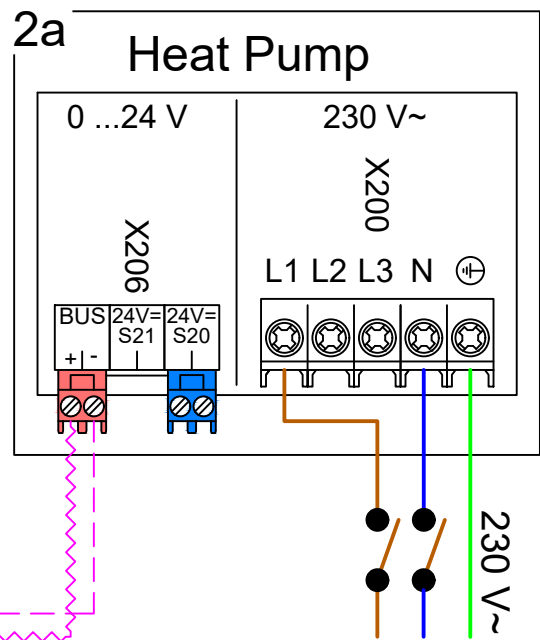
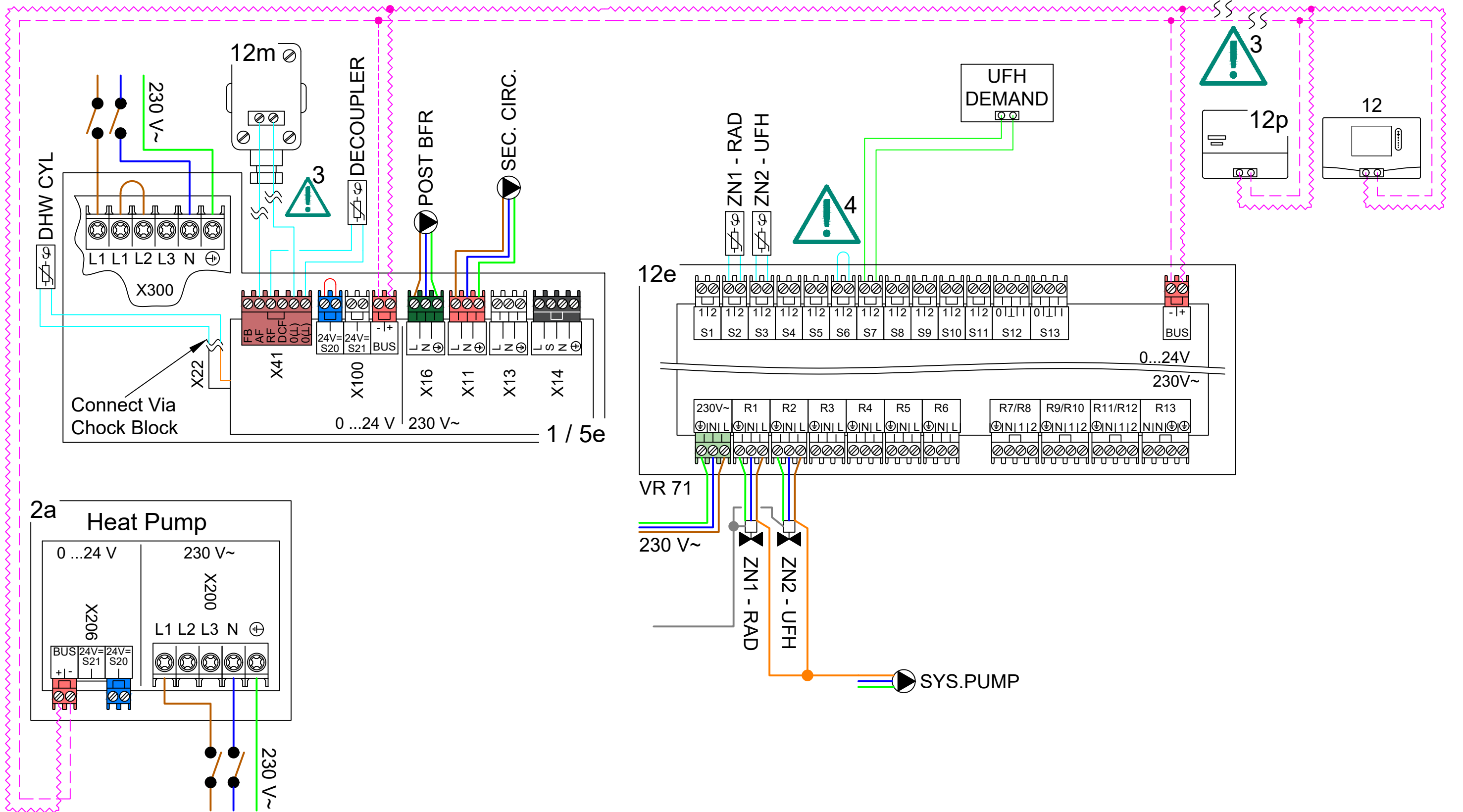
Control(s): sensoCOMFORT

HTG. Circuit(s): 1x Radiator - Direct, 1x UFH - 3rd Party,

Domestic Hot Water: uniTOWER

- ⚠ -See page 2 for detailed wiring.
- 1. See page 3 for relevant controller system configuration settings.
- 3. Controls and outdoor sensor can be wired or wireless
- 4. Link required (not factory fitted).

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- 17. Rotary Isolator must be situated outside of the Protective Zone



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sensoCOMFORT / VRC 700 System Configuration

Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements.

Setting	Value	Setting	Value
Installation		Circuit 2	
Adapt. heat curve:	Deactivated	Circuit type:	Heating
Hybrid manager:	Bivalence pt	OT switch-off threshold:	30°
Heating bivalence point:	-20°	Heat curve:	**Site specific
DHW bivalence point:	-20°	Min. target flow temperature:	15°
Alternative point:	Off	Max. target flow temperature:	45°
ESCO:	HP Off	Set-back mode:	Eco
Back-up boiler:	Off	Room temp. mod.:	Inactive
Conf. ext. input:	Open, deactiv.	Zone 2	
Basic system diagram config.		Zone activated:	Yes
Basic system diagram code:	10	Zone assignment:	No assignmt
FM5 configuration:	3	Domestic hot water	
FM5 MO:	Not working	Cylinder:	Active
HP control module configuration		Anti-legio. day:	**User preference
MO 2:	Not connected	Anti-legio. time:	**User preference
Circuit 1		Cylinder charging offset:	15 K
Circuit type:	Heating	Cyl. charg. anti-cycl. time:	5 min
OT switch-off threshold:	30°		
Heat curve:	**Site specific		
Min. target flow temperature:	15°		
Max. target flow temperature:	45°		
Set-back mode:	Normal		
Room temp. mod.:	Expanded		
Zone 1			
Zone activated:	Yes		
Zone assignment:	Control		

REV	DATE	DESCRIPTION	ZONE
A	16/06/2020	Electric Meter & rotary isolation added to outdoor module.	2,E
Domestic Cold Water			
Domestic Hot Water			
Heating Flow			
Heating Return			
Glycol Flow			
Glycol Return			
230/400V Wire			
Low Voltage Sensor Wire			
Low Voltage eBUS			BUS
Low Voltage Demand Signal			
eBUS +			
eBUS -			
Indicates Cable Junction			BUS
Indicates No. of cable cores			3

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Drawn: A.RICE

Appliance(s): aroTHERM Mono, uniTOWER, Buffer (45/100L)

HTG. Circuit(s): 1x Radiator - Direct, 1x UFH - 3rd Party,

24/10/2022

REV: B

Control(s): sensoCOMFORT

Domestic Hot Water: uniTOWER

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08/08/2022