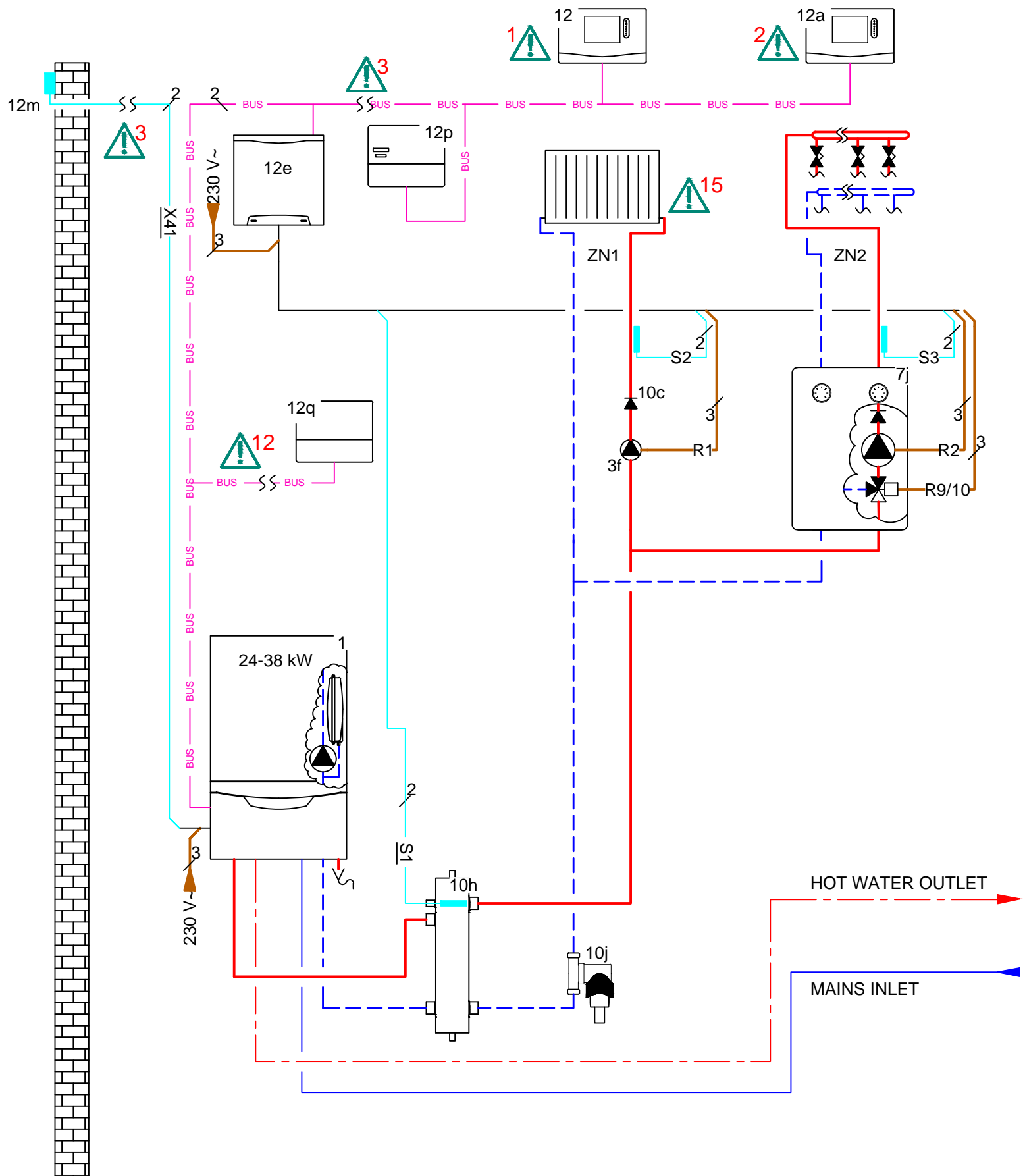




20117-1002

-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.  
 12. Optional gateway / myVAILLANT Connect; required for app control.  
 15. At least 1 radiator required to be open at ALL times to allow bypass / thermostat zone reference.

- 01 Boiler
- 03f General Pump\*\*
- 07j VDM Pump Group
- 10c Non-return Valve\*\*
- 10h Low Loss Header\*\*
- 10j Magnetic Filter\*\*
- 12 sensoCOMFORT
- 12a VR92
- 12e Wiring Centre - VR 71
- 12m Outdoor Temperature Sensor
- 12p Wireless Reciever
- 12q VR 921 Gateway / myVAILLANT Connect



Equipment marked \*\* to be sourced via 3rd party supplier.  
 Confirm schematic is most recent revision before proceeding with installation

Domestic Cold Water	Blue solid line
Domestic Hot Water	Red dashed line
Heating Flow	Red solid line
Heating Return	Blue dashed line
Cooling Flow	Blue solid line
Cooling Return	Purple dashed line
Glycol Flow	Purple solid line
Glycol Return	Blue dashed line
Secondary Circulation	Orange solid line
230/400V Wire	Orange solid line
Low Voltage Sensor Wire	Cyan solid line
Low Voltage eBUS	Pink solid line
Low Voltage Demand Signal	Green solid line
eBUS +	Pink wavy line
eBUS -	Purple wavy line
Indicates Cable Junction	Orange circle
Indicates No. of cable cores	Number 3 with slash

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Drawn: A.Rice  
 02/12/2024 REV: ----

Appliance(s): 1x ecoTEC Combi 24-38 , 1x Low Loss Header  
 Control(s): 1x sensoCOMFORT, 1x VR 92

HTG. Circuit(s): 1x Radiator - Pumped, 1x UFH - VDM (Mixed), ----  
 Domestic Hot Water: N/A

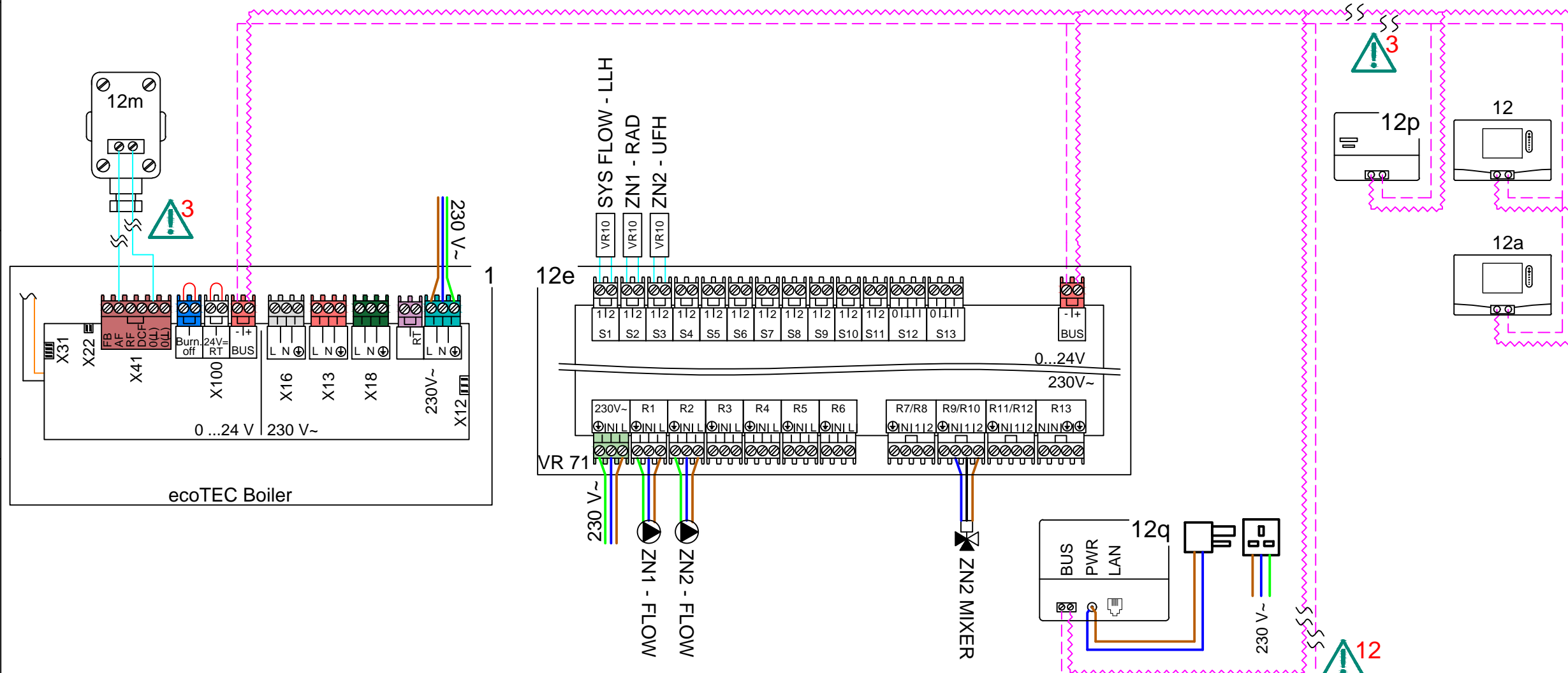


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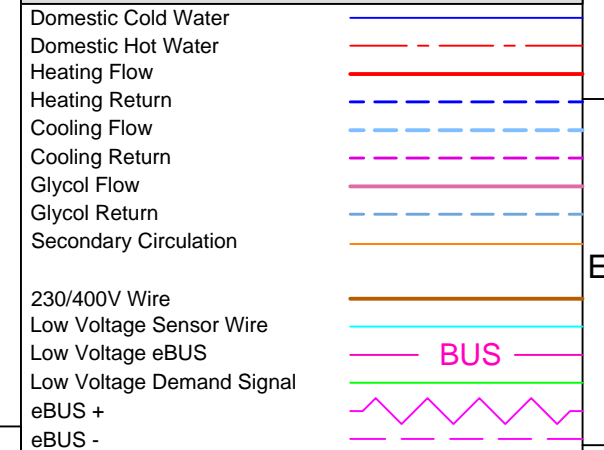
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Wire Sizing Guide

E-Bus / Sensor Wire	E-Bus 0.75mm <sup>2</sup> minimum to be wired in series/daisy chain, 125m max length - VR10 50m max length
ecoTEC plus Power Supply	All power cables to be sized to current electrical regulations BS 7671, by a qualified electrician

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Drawn: A.Rice  
 02/12/2024 REV: ----

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 Control(s): 1x sensoCOMFORT, 1x VR 92

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 Domestic Hot Water: N/A



20117-1002

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### Initial sensoCOMFORT 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, system requirements and commissioning guide.

Setting	Value
<b>Installation</b>	
Adapt. heat curve:	Activated
Conf. ext. input:	Bridge, deactiv.
<b>Basic system diagram config.</b>	
Basic system diagram code:	1
FM5 configuration:	3
FM5 MO:	Not working
<b>Circuit 1</b>	
Circuit type:	Heating
OT switch-off threshold:	30°
Heat curve:	**Site specific
Min. target flow temperature:	15°
Max. target flow temperature:	55° (Assumed)
Set-back mode:	Normal
Room temp. mod.:	Expanded
<b>Circuit 2</b>	
Circuit type:	Heating
OT switch-off threshold:	30°
Heat curve:	**Site specific
Min. target flow temperature:	15°
Max. target flow temperature:	55° (Assumed)
Set-back mode:	Normal
Room temp. mod.:	Expanded

Setting	Value
<b>Zone 1</b>	
Zone activated:	Yes
Zone assignment:	Control
<b>Zone 2</b>	
Zone activated:	Yes
Zone assignment:	Rem. contr. 1
<b>Domestic hot water</b>	
Cylinder:	Inactive

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Drawn: A.Rice

Appliance(s): 1x ecoTEC Combi 24-38 , 1x Low Loss Header

HTG. Circuit(s): 1x Radiator - Pumped, 1x UFH - VDM (Mixed), ----

02/12/2024

REV: ----

Control(s): 1x sensoCOMFORT, 1x VR 92

Domestic Hot Water: N/A