



# Compress 3400i

## **System schematic and wiring** diagrams

4kW to 10kW.





## Compress 3400i 4-10kW

### **Hybrid systems**

System

Wiring

#### With combi boilers

CS3400i AW OR-S Hybrid 1 x rad, 1 x UFH, buffer and 3rd party controls

CS3400i AW OR-S Hybrid 1 x rad, buffer and 3rd party controls

CS3400i AW OR-S Hybrid 1 x rad, buffer and CR11H

CS3400i AW OR-S Hybrid 1 x rad, no buffer and 3rd party controls

CS3400i AW OR-S Hybrid 1 x rad, no buffer and CR11H

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#### With regular boilers

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#### With system boilers

 $^{\circ}$ %  $\acute{u}$ ) ! \$ %/  $\acute{o}$   $\acute{u}$ 0 %  $\ddot{o}$ 0  $\acute{v}$ 0  $\acute{v}$ 0  $\acute{o}$ 1  $\acute{o}$ 1  $\acute{o}$ 1  $\acute{o}$ 1  $\acute{o}$ 2  $\acute{o}$ 3  $\acute{o}$ 4  $\acute{o}$ 5  $\acute{o}$ 6  $\acute{o}$ 7  $\acute{o}$ 8  $\acute{o}$ 9  $\acute{o}$ 





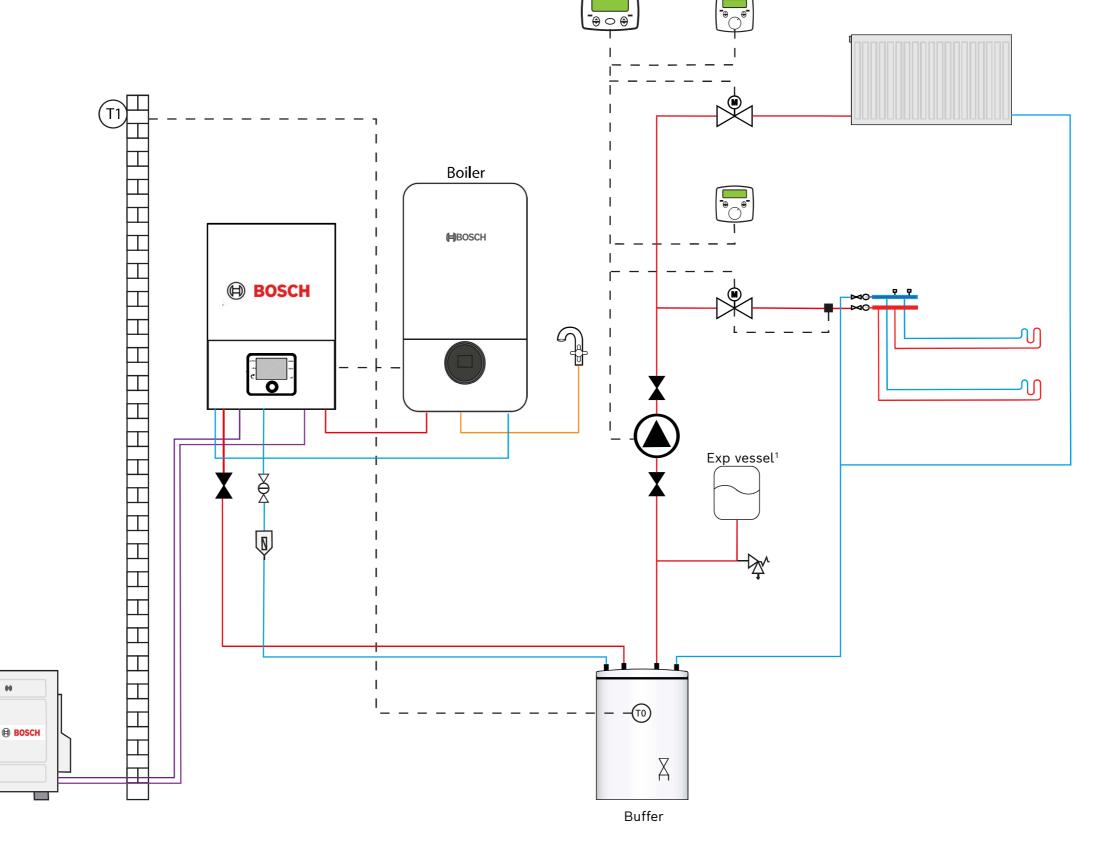
## **✓**WORCESTER ⊕ BOSCH CS3400i AW OR-S Hybrid 1 x rad, 1 x UFH, buffer and 3rd party controls



| Key      | Description            |
|----------|------------------------|
| T        | T1, T0 and TW1 sensors |
|          | Isolation valve        |
| X        | Drain off valve        |
| K        | Filling valve          |
| <b>®</b> | Three port valve       |
| Ø        | Magnetic filter        |
| $\Box$   | Non return valve       |
|          | 3rd party controls     |
|          | Pump                   |
| <b>P</b> | PRV                    |
|          | High limit stat        |
|          | Two port valve         |
|          | Shut off filter valve  |

T1 Sensor to be fitted on North facing wall where possible. Please refer to installation manual for guidance

Exp vessel<sup>1</sup> if required



All electrical work should be carried out by a registered engineer. Wiring must comply with the latest IET wiring regulations

Isolate the mains electricity supply before starting any work and observe all relevant product installation manuals for safety and installation instructions.

Whilst it is always our intention to fully assist, it is essential to recognise that all information given by the company is provided in good faith and based upon the information available. Connection labels may not match those of the products installed on site. We recommend that advice should always be checked with your installer, electrician or the manufacturer of the product in question. Consequently, the company cannot be held responsible for any liability relating to the use or repetition of such information or part thereof. In addition, whilst making every reasonable effort to monitor the performance and quality of our supply, installation and service network, we do not accept responsibility for the workmanship or operation of any third party company.

For further information or assistance please contact:

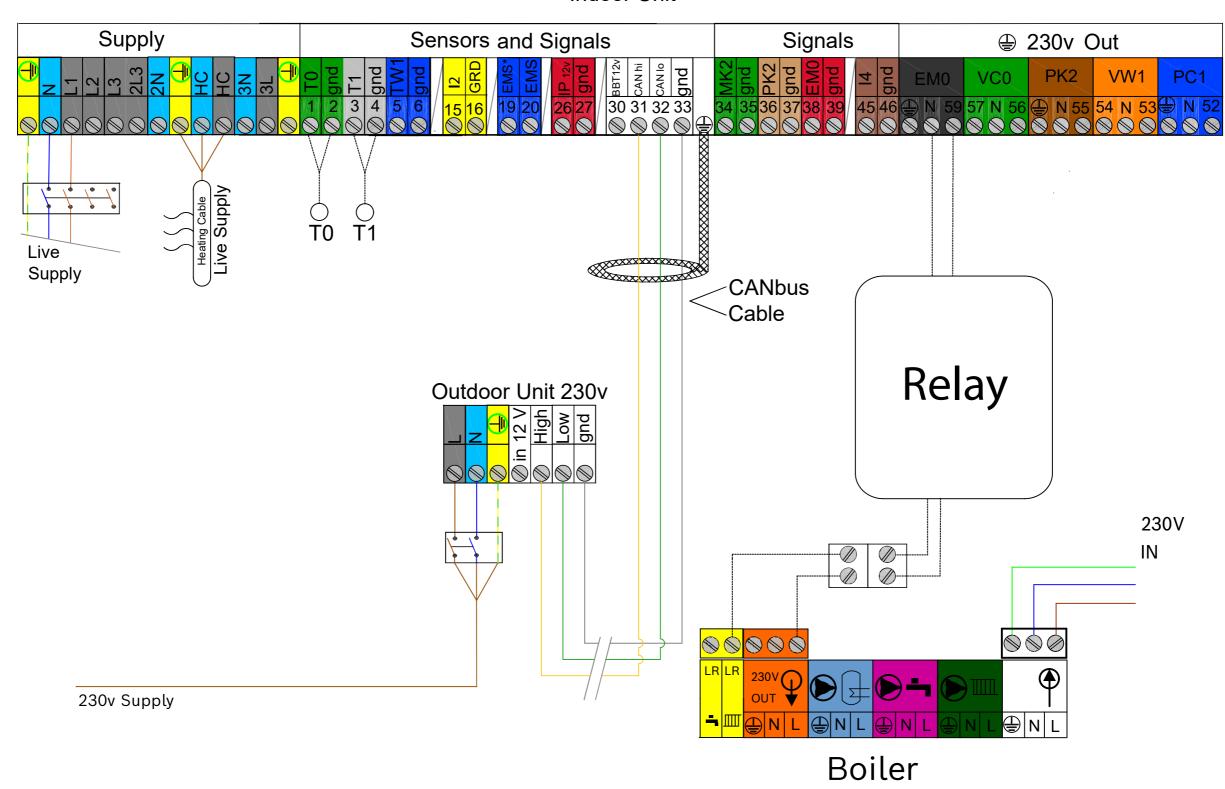




## **WORCESTER** (B) BOSCH CS3400i AW OR-S Hybrid 1 x rad, 1 x UFH, buffer and 3rd party controls



### **Indoor Unit**



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## **WORCESTER** BOSCH CS3400i AW OR-S Hybrid 1 x rad, buffer and 3rd party controls

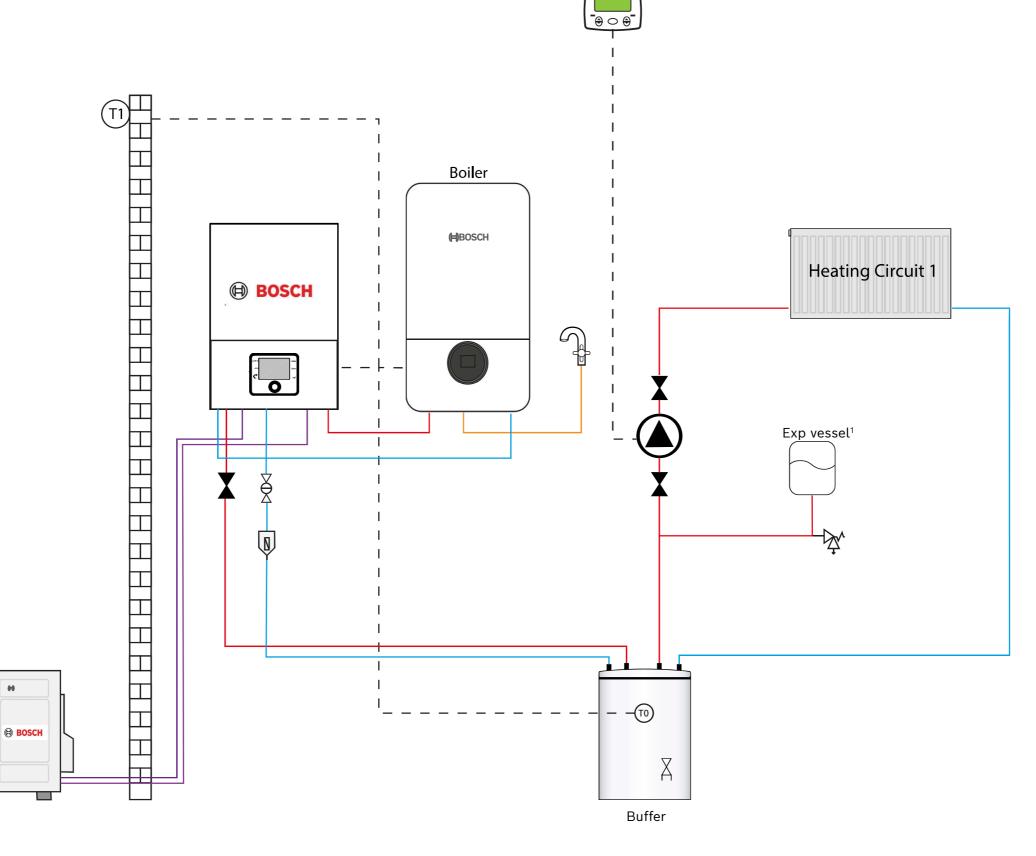


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| Key                    | Description            |
|------------------------|------------------------|
| T                      | T1, T0 and TW1 sensors |
|                        | Isolation valve        |
| X                      | Drain off valve        |
| 丛                      | Filling valve          |
| <b>®</b>               | Three port valve       |
| Ø                      | Magnetic filter        |
| $\overline{\triangle}$ | Non return valve       |
|                        | 3rd party controls     |
|                        | Pump                   |
| <b>₩</b>               | PRV                    |
|                        | Strainer               |
| <b>®</b>               | Two port valve         |
|                        | Shut off filter valve  |

T1 Sensor to be fitted on North facing wall where possible. Please refer to installation manual for guidance

Exp vessel<sup>1</sup> if required



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Email: system.design@uk.bosch.com Tel: 01905751464

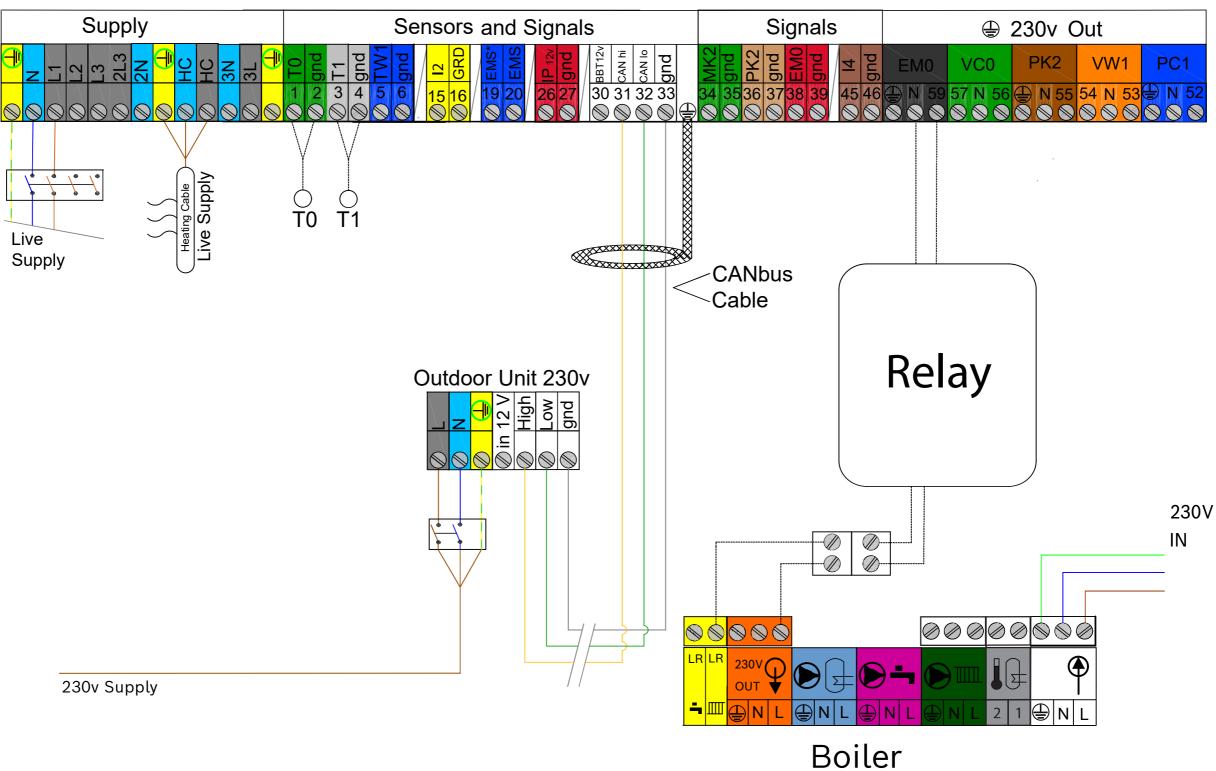




## **WORCESTER** (II) BOSCH CS3400i AW OR-S Hybrid 1 x rad, buffer and 3rd party controls



#### **Indoor Unit**



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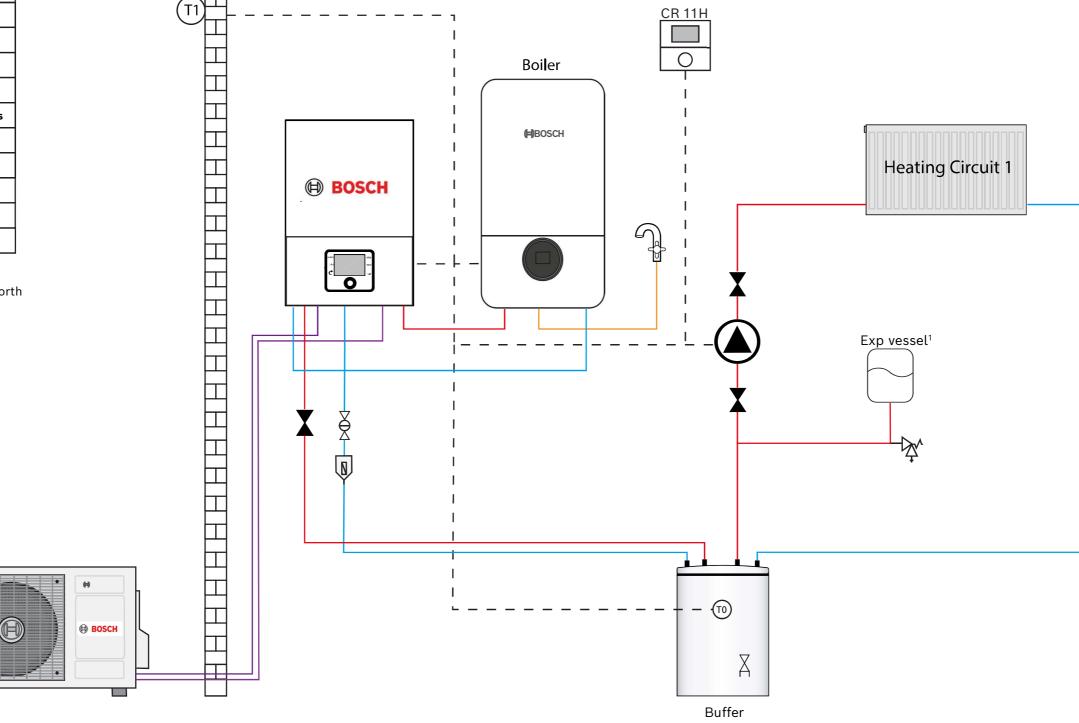
# **✓**WORCESTER ⊕ BOSCH CS3400i AW OR-S Hybrid 1 x rad, buffer and CR11H



| Key                 | Description            |
|---------------------|------------------------|
| T                   | T1, T0 and TW1 sensors |
| M                   | Isolation valve        |
| X                   | Drain off valve        |
| 內                   | Filling valve          |
|                     | Three port valve       |
| Ø                   | Magnetic filter        |
| $\overline{\Delta}$ | Non return valve       |
| •                   | 3rd party controls     |
|                     | Pump                   |
| <b>→</b>            | PRV                    |
|                     | Strainer               |
| <b>®</b>            | Two port valve         |
|                     | Shut off filter valve  |

T1 Sensor to be fitted on North facing wall where possible. Please refer to installation manual for guidance

Exp vessel<sup>1</sup> if required



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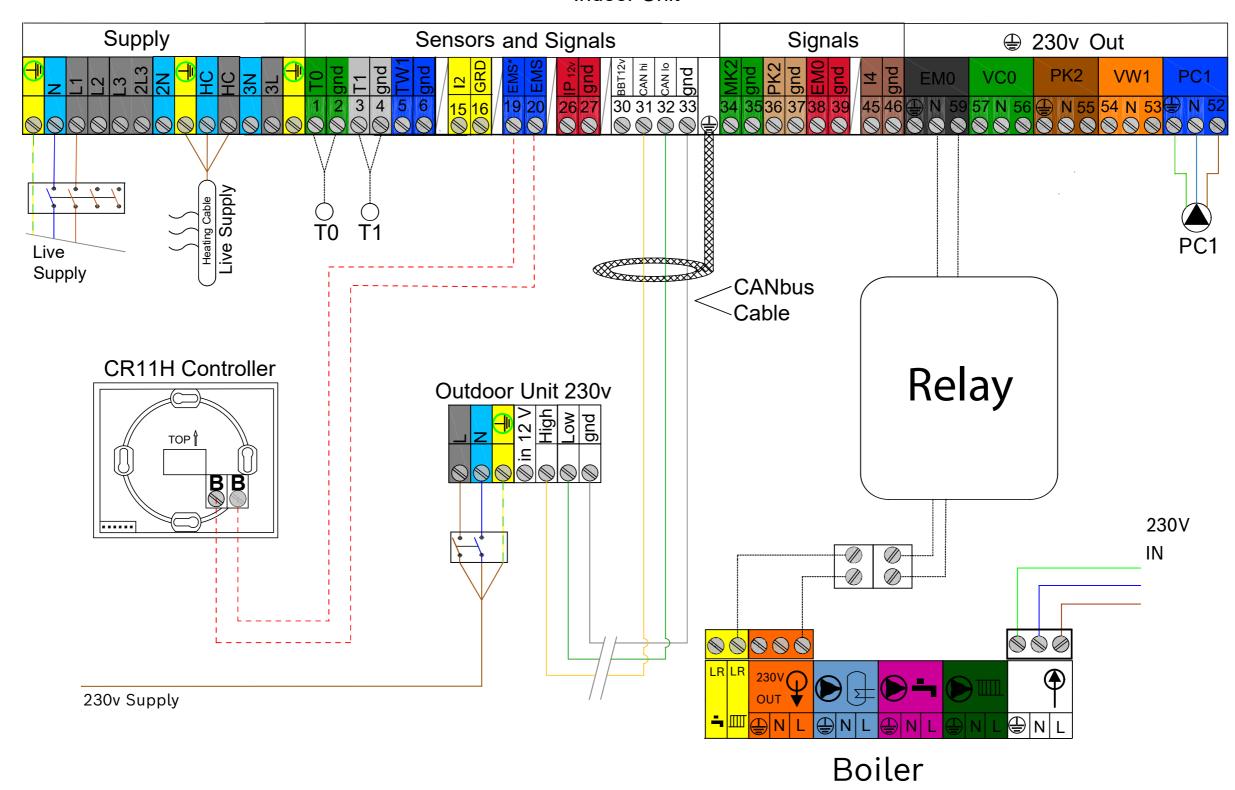




## **✓**WORCESTER ⊕ BOSCH CS3400i AW OR-S Hybrid 1 x rad, buffer and CR11H



### **Indoor Unit**



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## **WORCESTER** (B) BOSCH CS3400i AW OR-S Hybrid 1 x rad, no buffer and 3rd party controls

3rd party<sup>2</sup>

**Heating Circuit 1** 



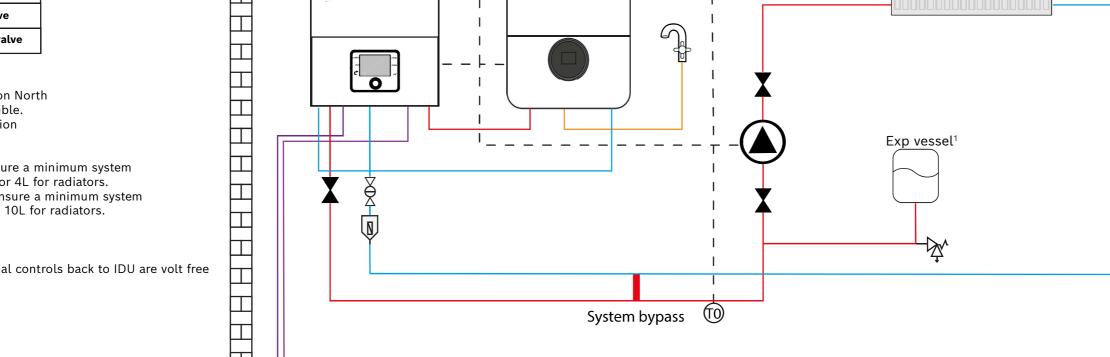
| Key                    | Description            |
|------------------------|------------------------|
| $\ominus$              | T1, T0 and TW1 sensors |
|                        | Isolation valve        |
| X                      | Drain off valve        |
| X                      | Filling valve          |
| <u></u>                | Three port valve       |
| Ø                      | Magnetic filter        |
| $\overline{\triangle}$ | Non return valve       |
| -                      | 3rd party controls     |
|                        | Pump                   |
| <b>→</b>               | PRV                    |
| 4                      | Strainer               |
| <b>®</b>               | Two port valve         |
| $\bowtie$              | Shut off filter valve  |

T1 Sensor to be fitted on North facing wall where possible. Please refer to installation manual for guidance

CS3400 AW 4 OR-S ensure a minimum system volume of 13L for UFH or 4L for radiators. CS3400 AW 6-8 OR-S ensure a minimum system volume of 27L UFH and 10L for radiators.

Exp vessel<sup>1</sup> if required

3rd party<sup>2</sup> ensure external controls back to IDU are volt free



Boiler

(H)BOSCH

(A) BOSCH

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**⊜** BOSCH

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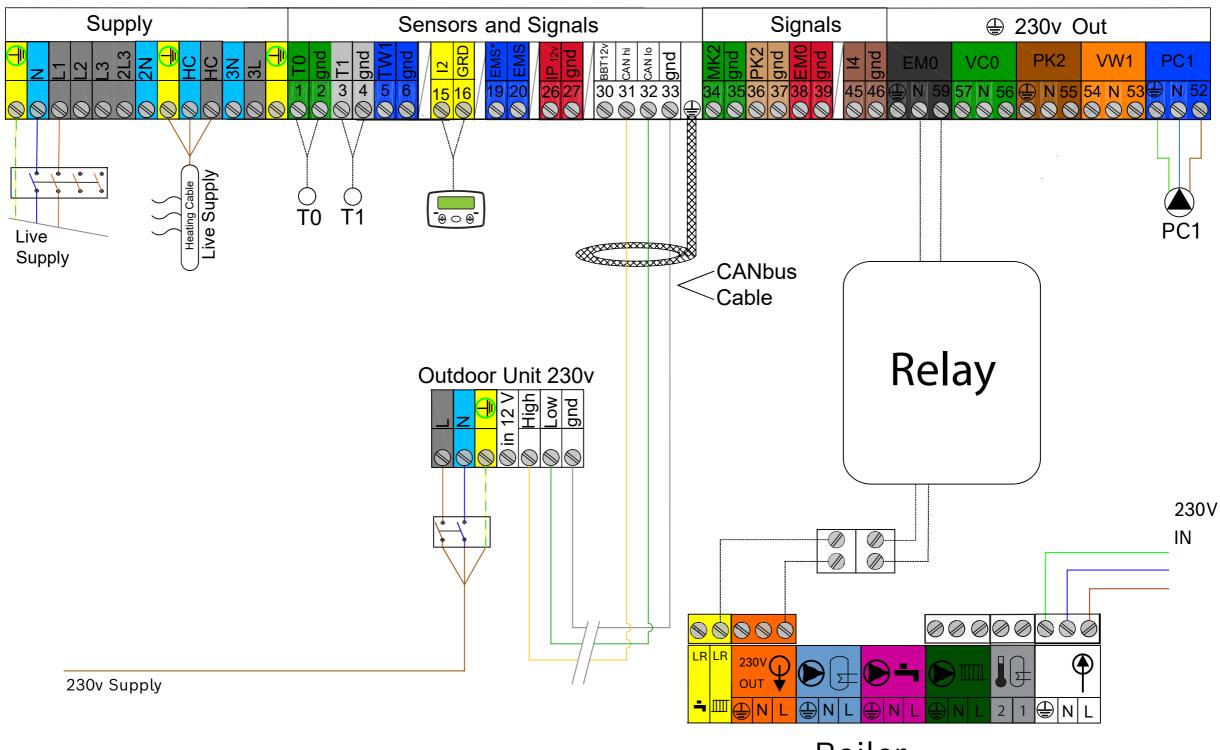




### **WORCESTER** BOSCH CS3400i AW OR-S Hybrid 1 x rad, no buffer and 3rd party controls



### **Indoor Unit**



Boiler

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# **✓**WORCESTER ⊕ BOSCH CS3400i AW OR-S Hybrid 1 x rad, no buffer and CR11H

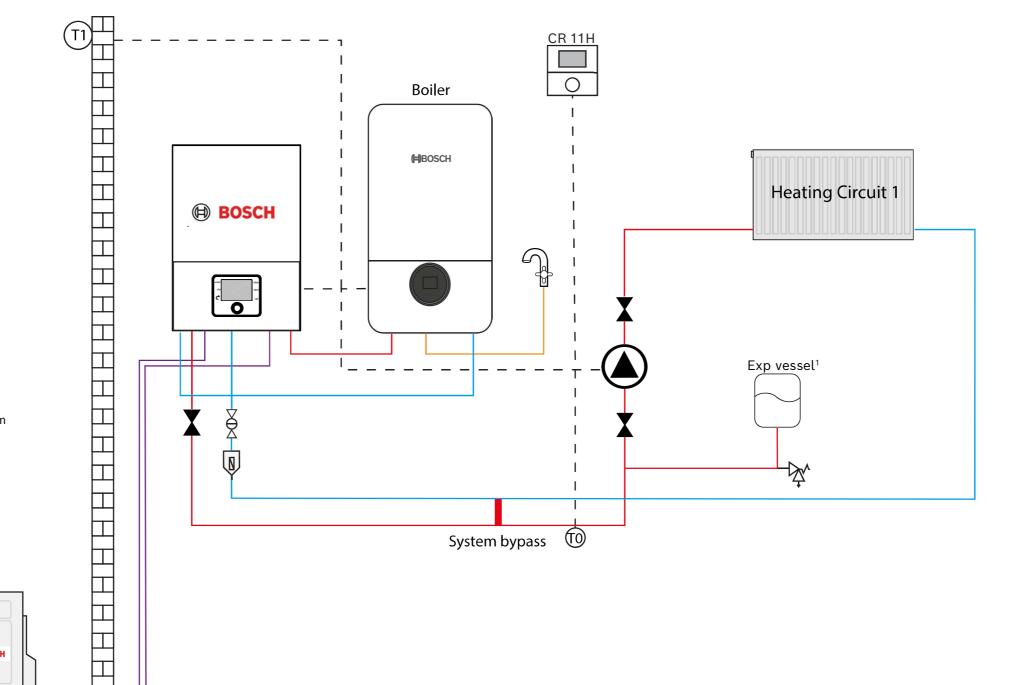


| Key                 | Description            |
|---------------------|------------------------|
| T                   | T1, T0 and TW1 sensors |
|                     | Isolation valve        |
| X                   | Drain off valve        |
| M                   | Filling valve          |
| <b>®</b>            | Three port valve       |
| Ø                   | Magnetic filter        |
| $\overline{\Delta}$ | Non return valve       |
| -                   | 3rd party controls     |
|                     | Pump                   |
| <b>→</b>            | PRV                    |
|                     | Strainer               |
|                     | Two port valve         |
|                     | Shut off filter valve  |

T1 Sensor to be fitted on North facing wall where possible. Please refer to installation manual for guidance

CS3400 AW 4 OR-S ensure a minimum system volume of 13L for UFH or 4L for radiators. CS3400 AW 6-8 OR-S ensure a minimum system volume of 27L UFH and 10L for radiators.

Exp vessel<sup>1</sup> if required



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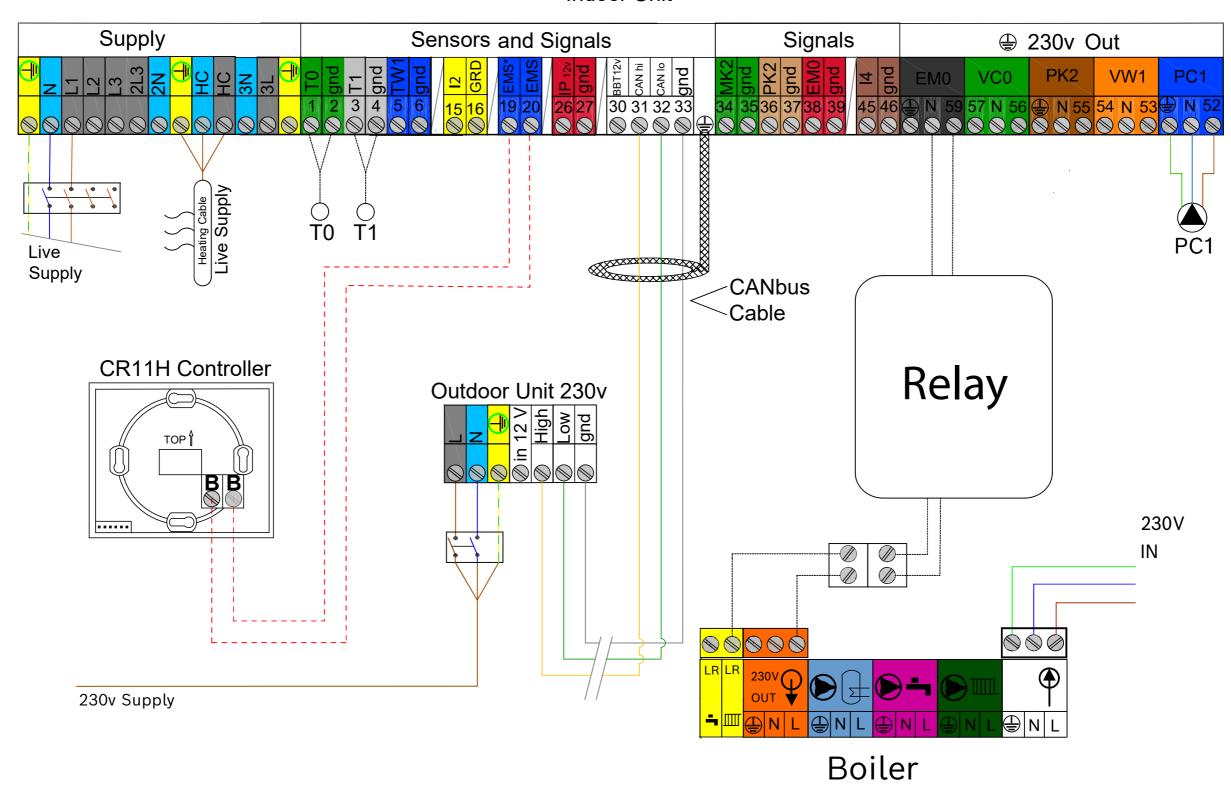




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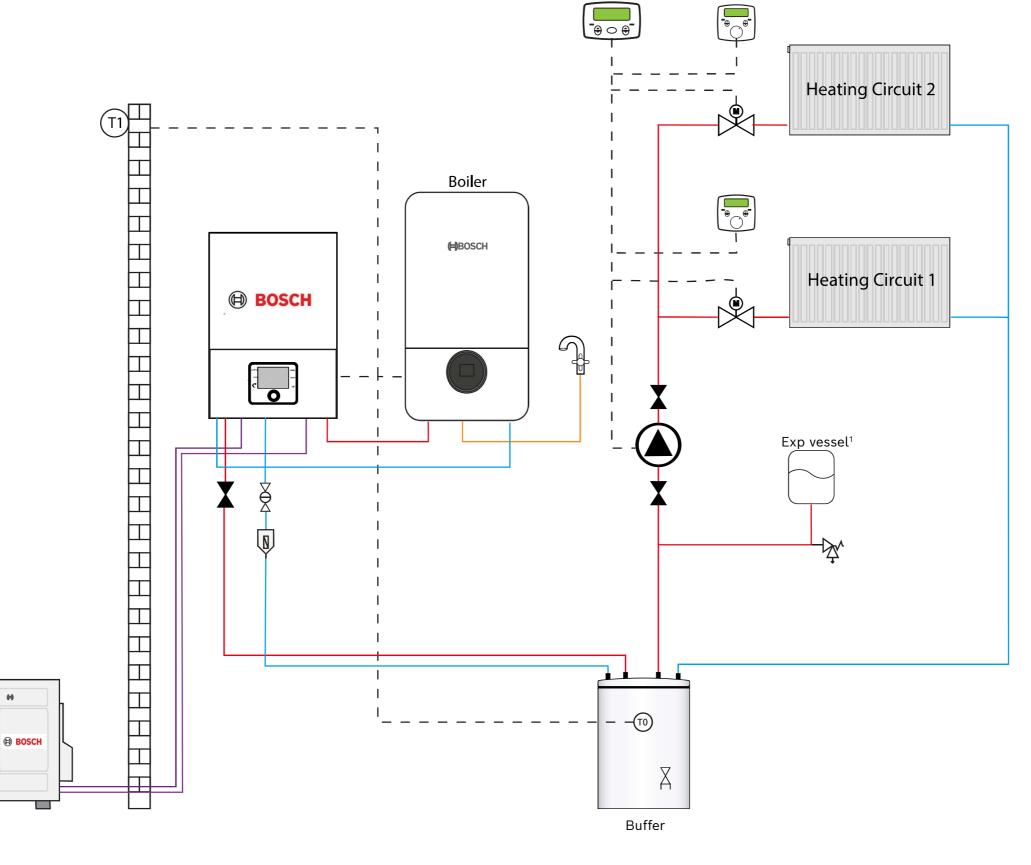
## **WORCESTER** BOSCH CS3400i AW OR-S Hybrid 2 x rad, buffer and 3rd party controls



| Key                 | Description            |
|---------------------|------------------------|
| (T)                 | T1, T0 and TW1 sensors |
| M                   | Isolation valve        |
| X                   | Drain off valve        |
| 凶                   | Filling valve          |
| <b>®</b>            | Three port valve       |
| Ø                   | Magnetic filter        |
| $\overline{\Delta}$ | Non return valve       |
|                     | 3rd party controls     |
|                     | Pump                   |
| <b>₩</b>            | PRV                    |
|                     | Strainer               |
| <b>®</b>            | Two port valve         |
|                     | Shut off filter valve  |

T1 Sensor to be fitted on North facing wall where possible. Please refer to installation manual for guidance

Exp vessel<sup>1</sup> if required



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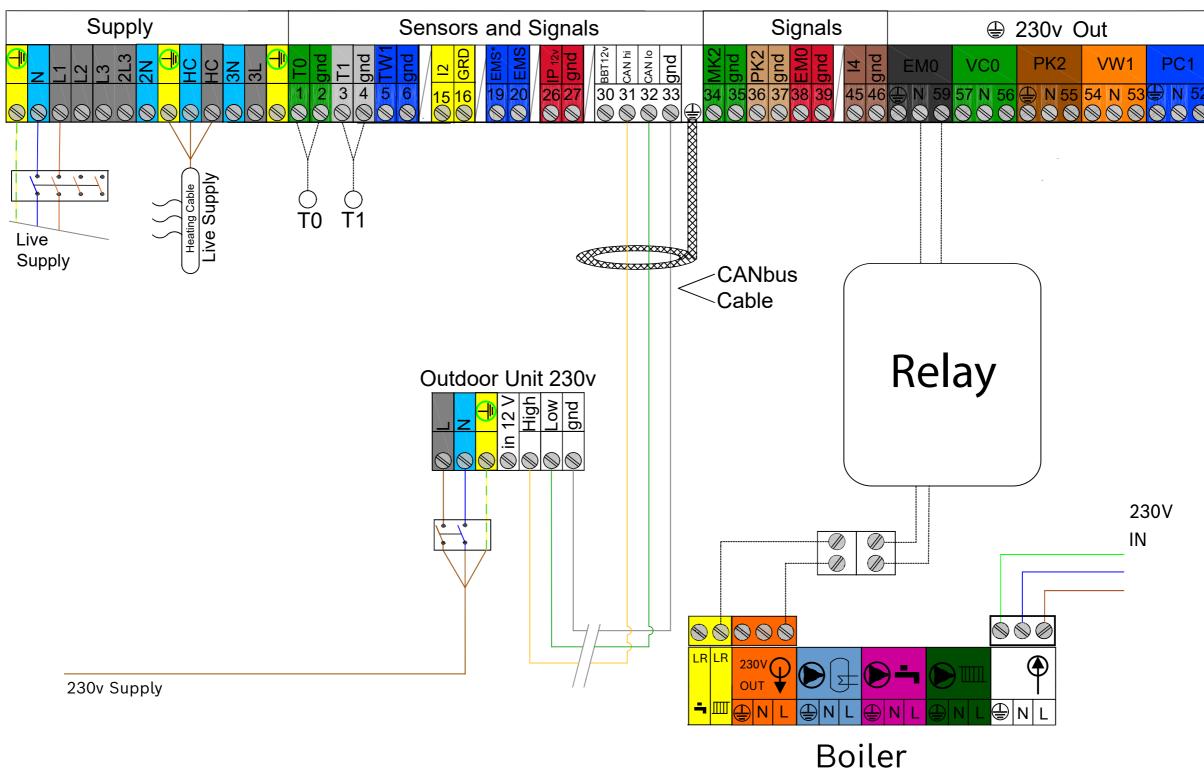




### **WORCESTER** (H) BOSCH CS3400i AW OR-S Hybrid 2 x rad, buffer and 3rd party controls



### **Indoor Unit**







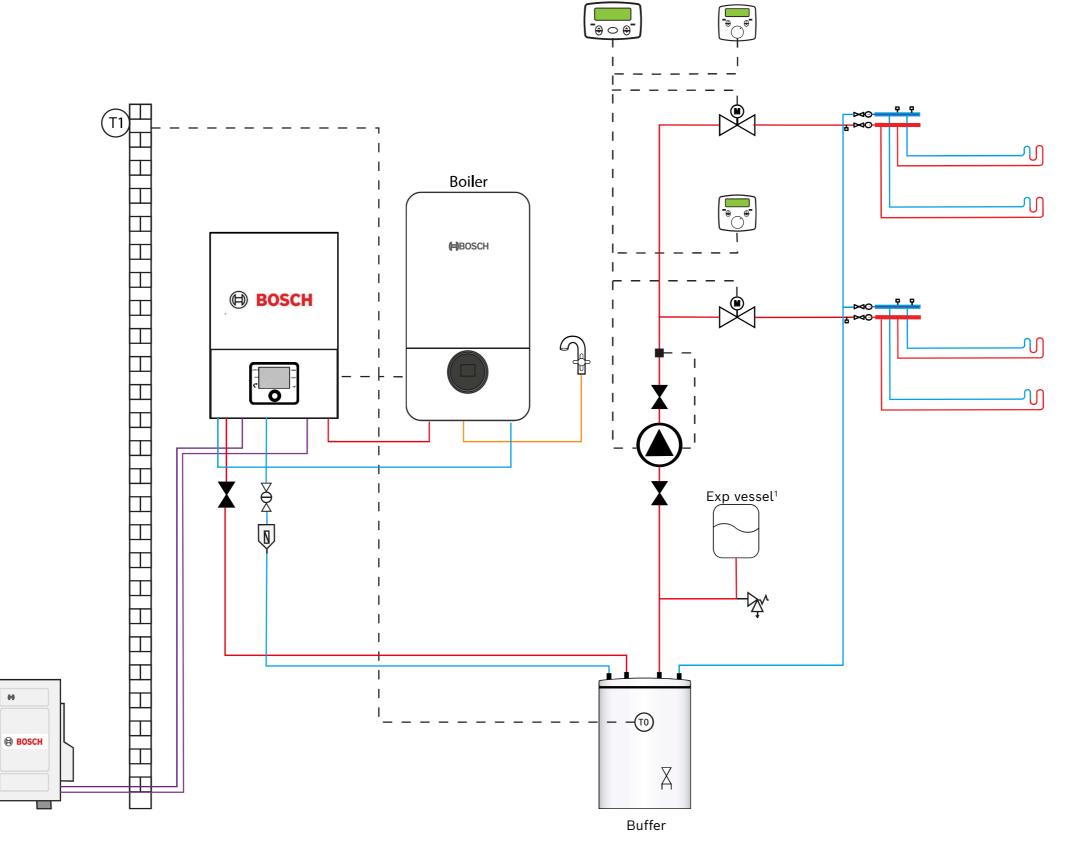
## **WORCESTER** BOSCH CS3400i AW OR-S Hybrid 2 x UFH, buffer and 3rd party controls



| Key                                    | Description            |
|--|------------------------|
| $\Box$                                 | T1, T0 and TW1 sensors |
|  | Isolation valve        |
| X                                      | Drain off valve        |
| K                                      | Filling valve          |
|  | Three port valve       |
| Ø                                      | Magnetic filter        |
|  | High limit stat        |
| -0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0 | 3rd party controls     |
|  | Pump                   |
| <u> </u>                               | PRV                    |
|  | Strainer               |
|  | Two port valve         |
| M                                      | Shut off filter valve  |

T1 Sensor to be fitted on North facing wall where possible. Please refer to installation manual for guidance

Exp vessel<sup>1</sup> if required



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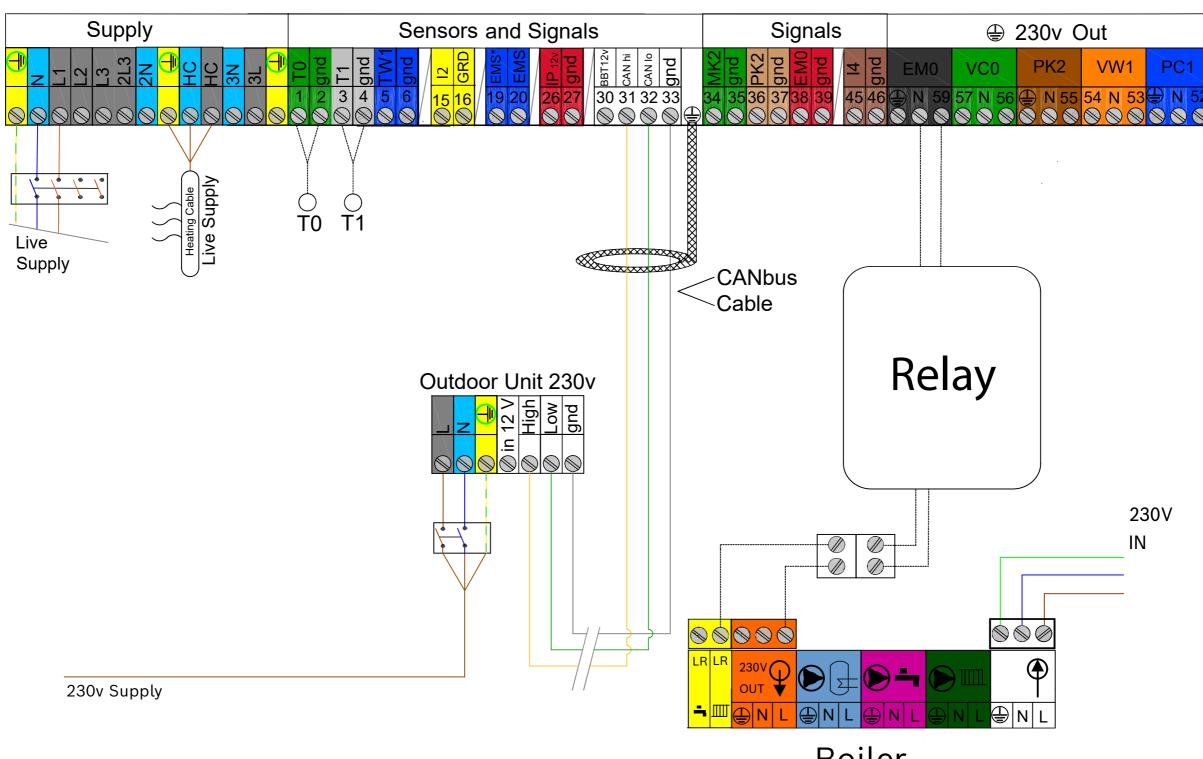




### **WORCESTER** (H) BOSCH CS3400i AW OR-S Hybrid 2 x UFH, buffer and 3rd party controls



#### **Indoor Unit**



Boiler

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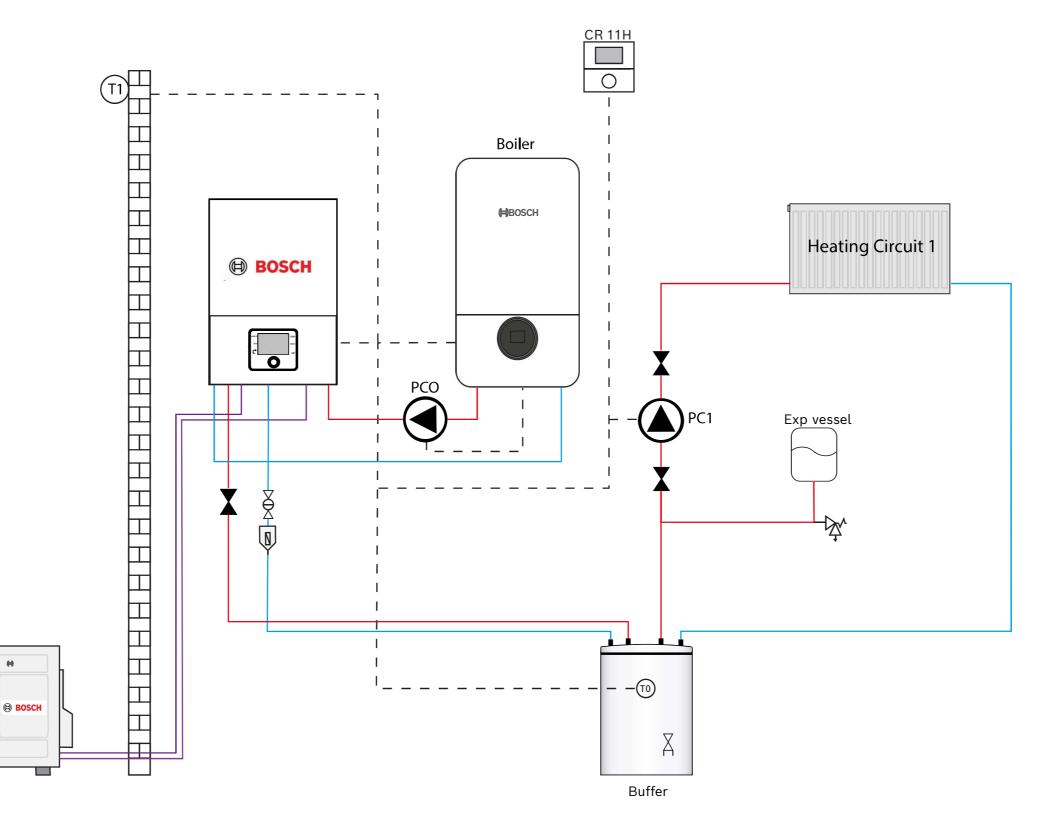


# **✓**WORCESTER ⊕ BOSCH CS3400i AW OR-S Hybrid, Ri regular, 1 x rad, buffer and CR11H, heat only



| Key                 | Description            |
|---------------------|------------------------|
| (-)                 | T1, T0 and TW1 sensors |
| X                   | Isolation valve        |
| X                   | Drain off valve        |
| ¥                   | Filling valve          |
| <b>®</b>            | Three port valve       |
| Ø                   | Magnetic filter        |
| $\overline{\Delta}$ | Non return valve       |
| •                   | 3rd party controls     |
|                     | Pump                   |
| <b>→</b> Ž⁄v        | PRV                    |
| $\triangle$         | Strainer               |
| <b>®</b>            | Two port valve         |
|                     | Shut off filter valve  |

T1 Sensor to be fitted on North facing wall where possible. Please refer to installation manual for guidance



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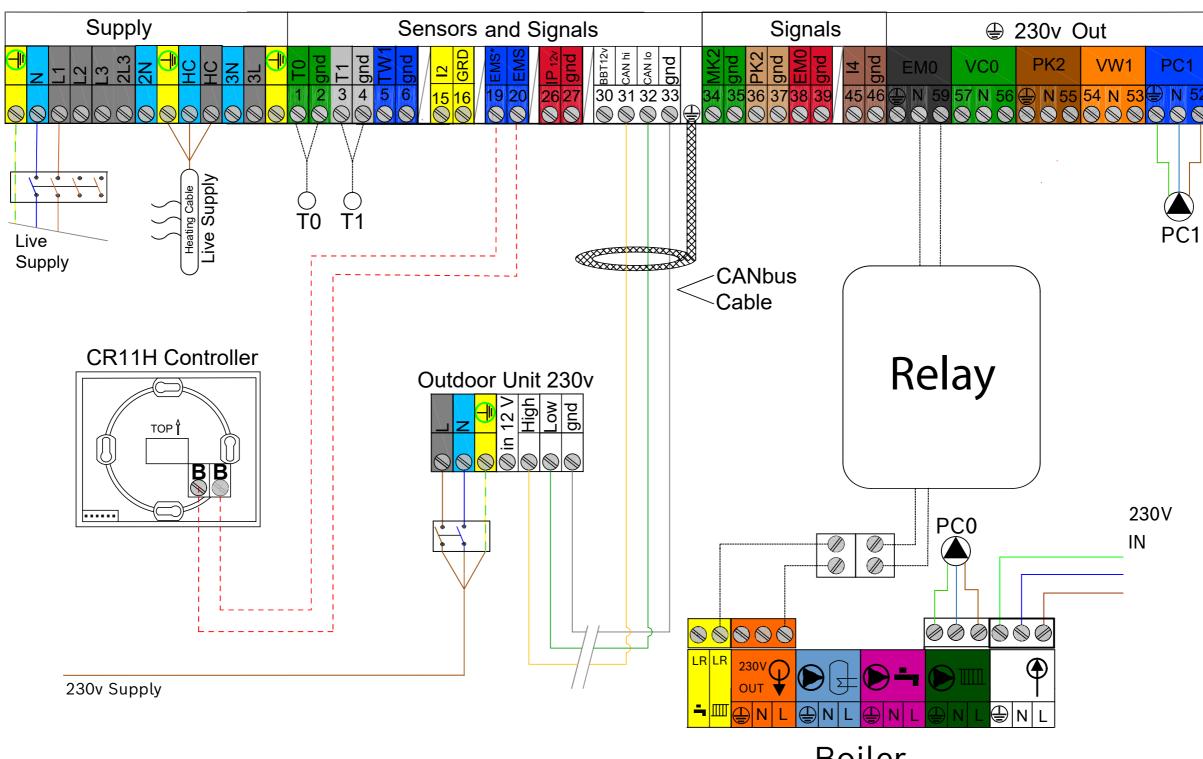




## **WORCESTER** (B) BOSCH CS3400i AW OR-S Hybrid, Ri regular, 1 x rad, buffer and CR11H, heat only



### **Indoor Unit**



Boiler





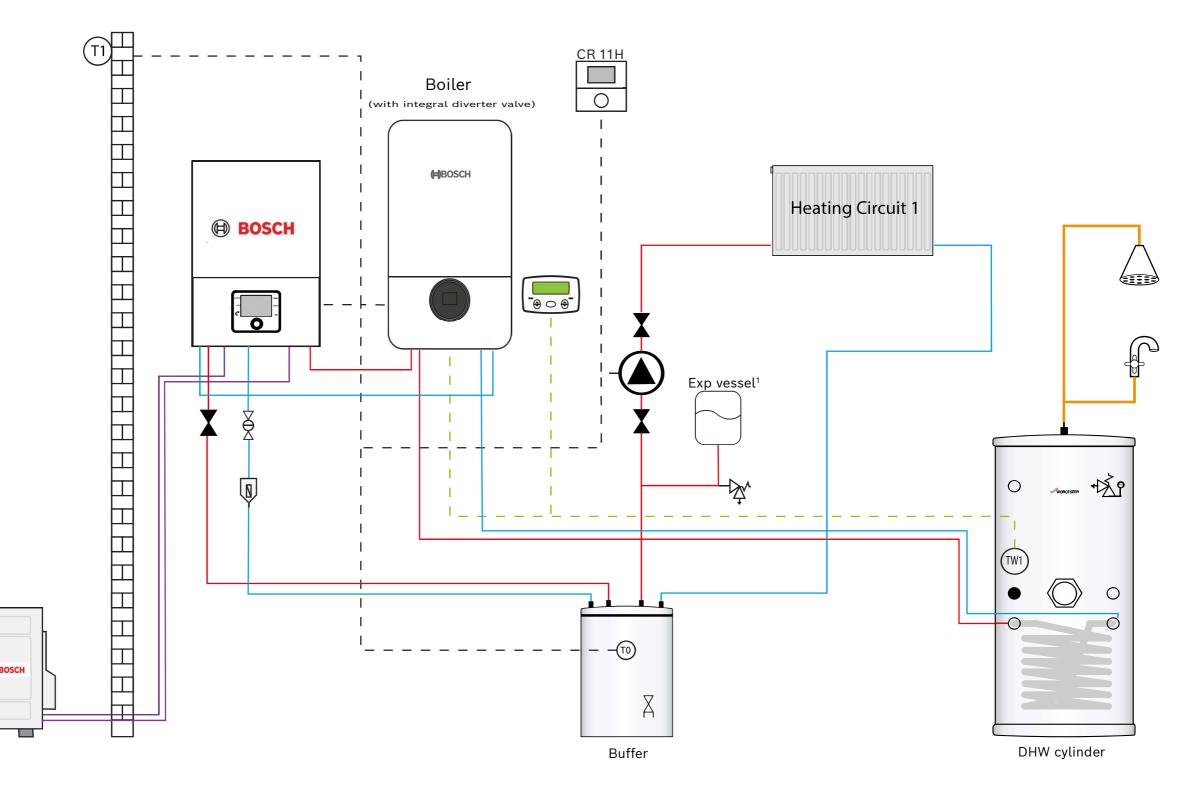
## **WORCESTER** BOSCH CS3400i AW OR-S Hybrid, System boiler, 1 x rad, buffer and CR11H



| Key      | Description            |
|----------|------------------------|
| T        | T1, T0 and TW1 sensors |
| M        | Isolation valve        |
| X        | Drain off valve        |
| 四        | Filling valve          |
|          | Three port valve       |
| Ø        | Magnetic filter        |
| $\Box$   | Non return valve       |
| -        | 3rd party controls     |
|          | Pump                   |
| <u> </u> | PRV                    |
|          | Strainer               |
|          | Two port valve         |
| M        | Shut off filter valve  |

T1 Sensor to be fitted on North facing wall where possible. Please refer to installation manual for guidance

Exp vessel<sup>1</sup> if required



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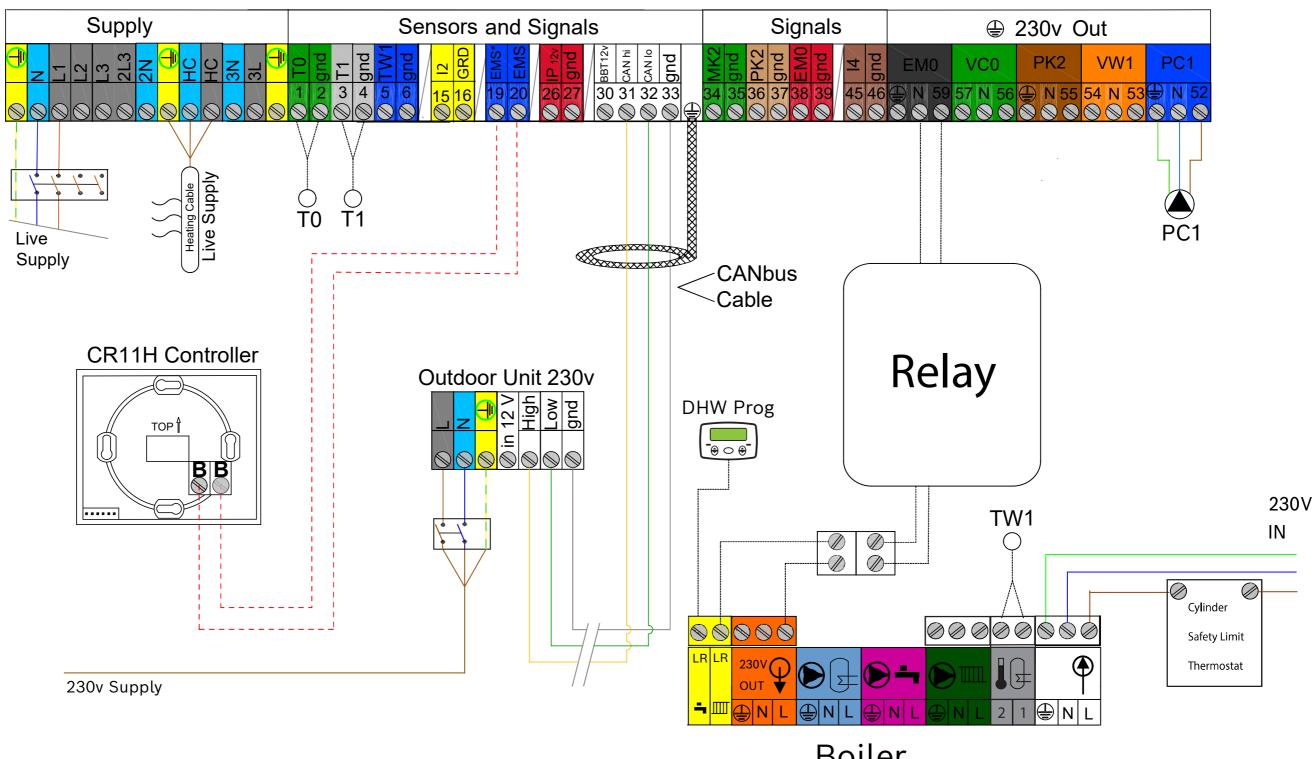




## **WORCESTER** (B) BOSCH CS3400i AW OR-S Hybrid, System boiler, 1 x rad, buffer and CR11H



### **Indoor Unit**



Boiler





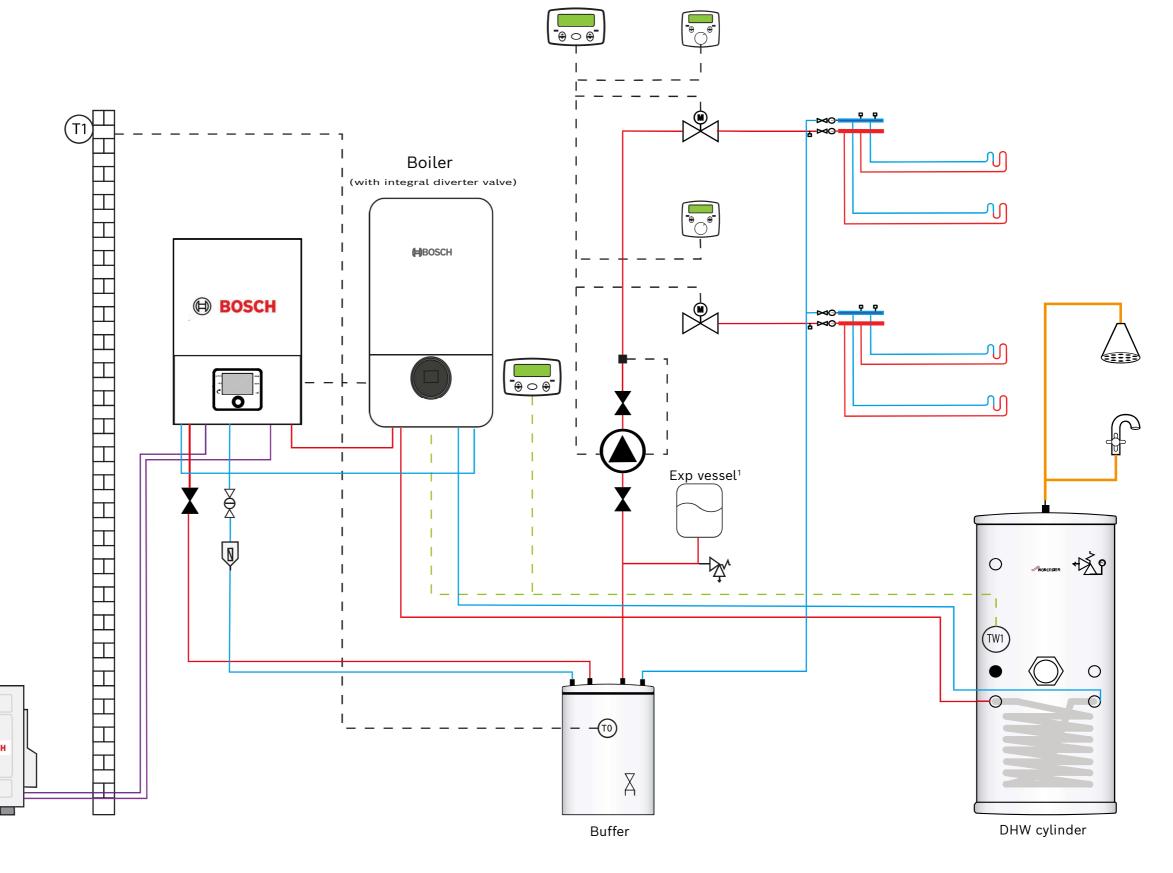
## **✓**WORCESTER ⊕ BOSCH CS3400i AW OR-S Hybrid, System boiler, 2 x UFH, buffer and 3rd party controls



| Key      | Description            |
|----------|------------------------|
| T        | T1, T0 and TW1 sensors |
| M        | Isolation valve        |
| X        | Drain off valve        |
| ¥        | Filling valve          |
| <u></u>  | Three port valve       |
| Ø        | Magnetic filter        |
|          | High limit stat        |
| ***      | 3rd party controls     |
|          | Pump                   |
| <b>P</b> | PRV                    |
| 1        | Strainer               |
| <b>®</b> | Two port valve         |
|          | Shut off filter valve  |

T1 Sensor to be fitted on North facing wall where possible. Please refer to installation manual for guidance

Exp vessel<sup>1</sup> if required



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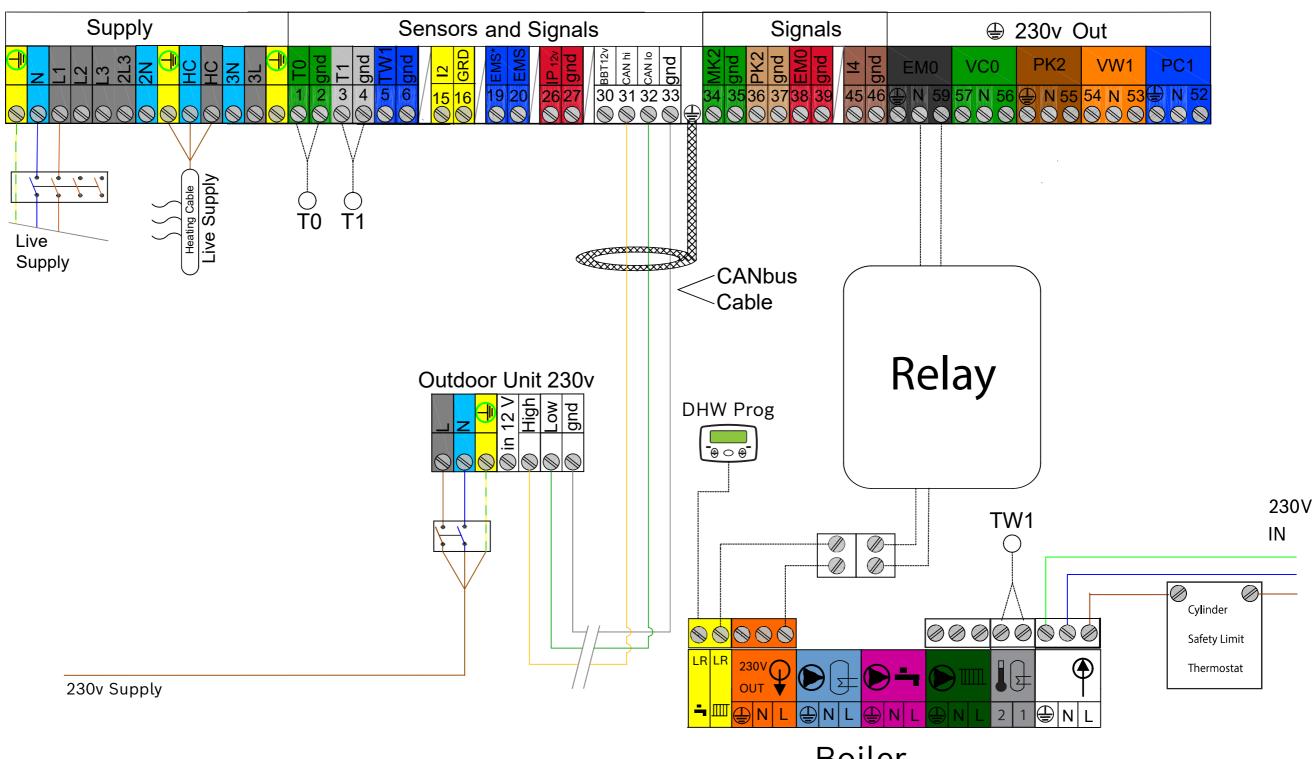
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## **WORCESTER** (B) BOSCH CS3400i AW OR-S Hybrid, System boiler, 2 x UFH, buffer and 3rd party controls



### **Indoor Unit**



Boiler

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