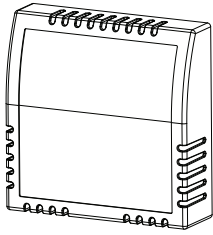# INSTRUCTIONS:
ROOM SENSOR

iCCS Room Sensor Installation
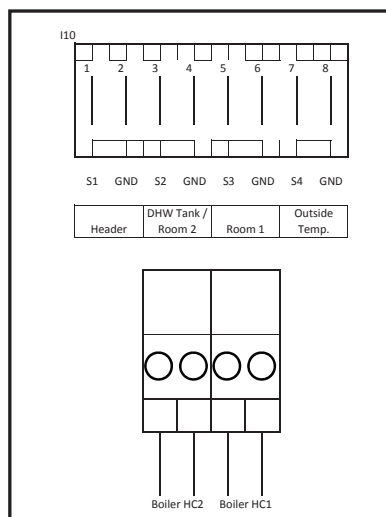

A. Instruction leaflet
B. Room Sensor
C. Room1 (Boiler HC1) and Room2 (Boiler HC2) RAST5 connector plugs
D. Cable Ties x 2

This room sensor is compatible with the new *iCCS* based Evomax 2 and optional Extension module. It is also backwards compatible with the previous sensor applications.

A. Boiler Heating Circuit

1. Determine the position for the room sensor within the Heating Circuit zone which it will need to control.
2. If more than one room sensor per Heating Circuit zone is required, then refer to the diagrams provided overleaf.
3. Route the sensor cable in throught the slotted access port on the RHS of the boiler bulkhead, secure with the cable tie provided.
4. Connect the wiring for the room sensor/s to the connector plugs and locate into the Installer wiring connector I10 as shown below:

5. Once connected, select during configuration of the boiler heating circuit.
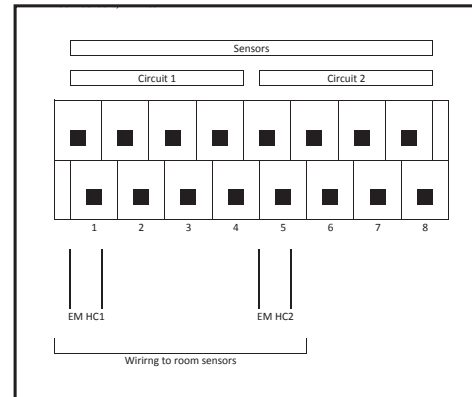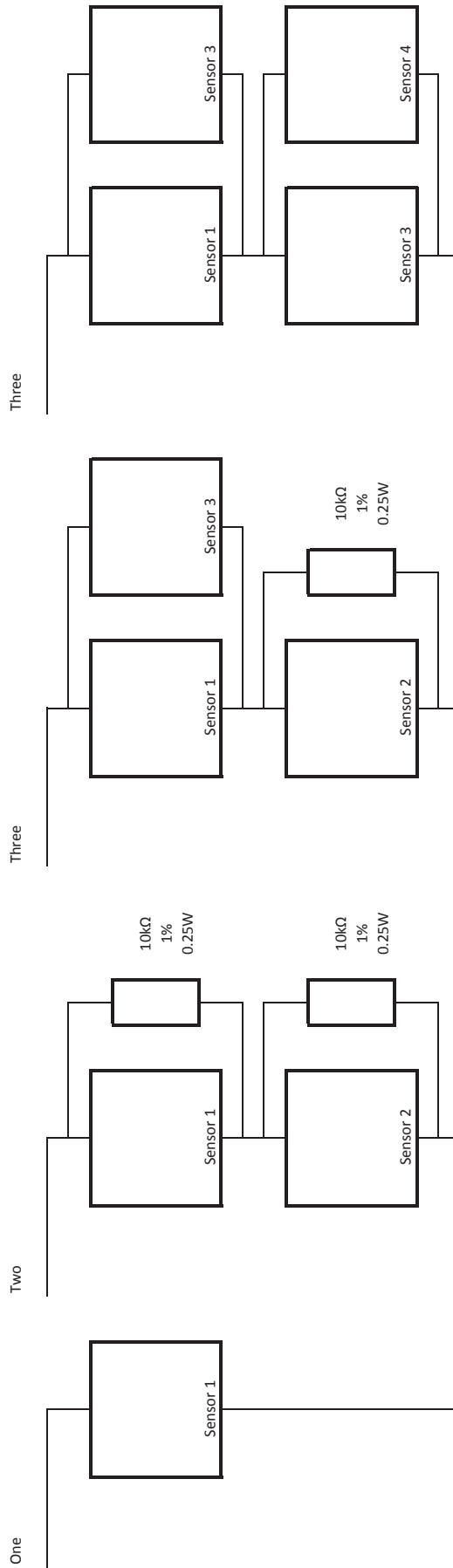
B. Boiler Heating Circuit

1. Determine the position for the room sensor within the Heating Circuit zone which it will need to control.
2. If more than one room sensor per Heating Circuit zone is required, then refer to the diagrams provided.
3. Connect the wiring for the room sensor/s to the wiring screw terminals Installer wiring connection/s, 1 and or 5, as shown below:

4. Snap out the plastic exit point/s and secure the cables with the supplied cable retention clamps. Ensure that isolation is maintained between any single insulated mains voltage and SELV wiring.
5. Once connected, select during configuration of the Extension Module heating circuit.

Connecting Multiple Room Sensors

One

Sensor 1

Two

Sensor 1

Sensor 2

10kΩ 1% 0.25W

10kΩ 1% 0.25W

Three

Sensor 1

Sensor 3

Sensor 2

10kΩ 1% 0.25W

Three

Sensor 1

Sensor 3

Sensor 3

Sensor 4

Note.
Where multiple sensors are used the overall accuracy of temperature measurement is reduced, this can be compensated for by trimming the parallel resistors
Siting of multiple room sensors for large spaces should be carefully considered to avoid significant temperature differences between sensors

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September 2019   UIN 221256 A01

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