

IMPORTANT! READ THIS FIRST BEFORE COMMENCING INSTALLATION

MULTI-MAGIC ROOM SENSOR INSTALLATION

This sensor measures the room temperature and relative humidity. It is intended for use with a compatible CW-80 or CW-H cooler. One sensor can be connected per cooler.

Input Range

Temperature: 0-10V = 0-50 °C / 32-122°F

Relative Humidity: 0-10V = 0-100%

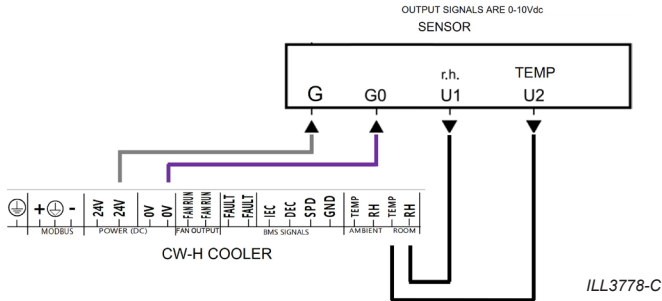
Recommended Cable Specification

The sensor requires 24VDC power and 2 signal wires.

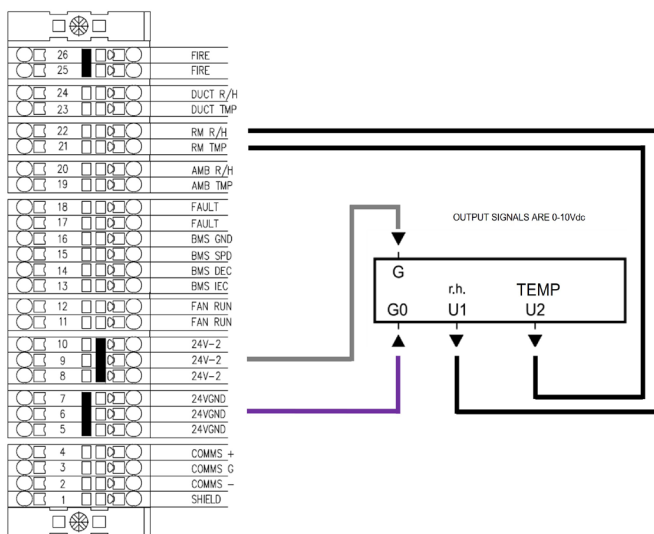
- Instrumentation Cable
- 4x 0.5mm² (AWG 20) conductors;
- Communication wiring must be kept separate from AC power wiring.
- Always route communication cables at least 300mm (12") away from high voltage cables and high-power machines.
- Crossover high power cables at right angles.

Note! 24VDC power can be supplied by the cooler (as shown) or a separate power supply (not included).

CW-H FITMENT



CW-80 FITMENT



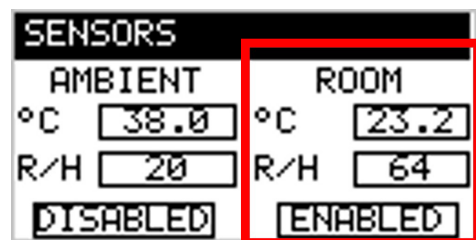
CONNECTING

After installation, use the LEFT/RIGHT buttons to navigate to the SENSORS screen on the cooler PLC screen.

Select the ENABLED/DISABLED field under the ROOM sensor and set to ENABLED.

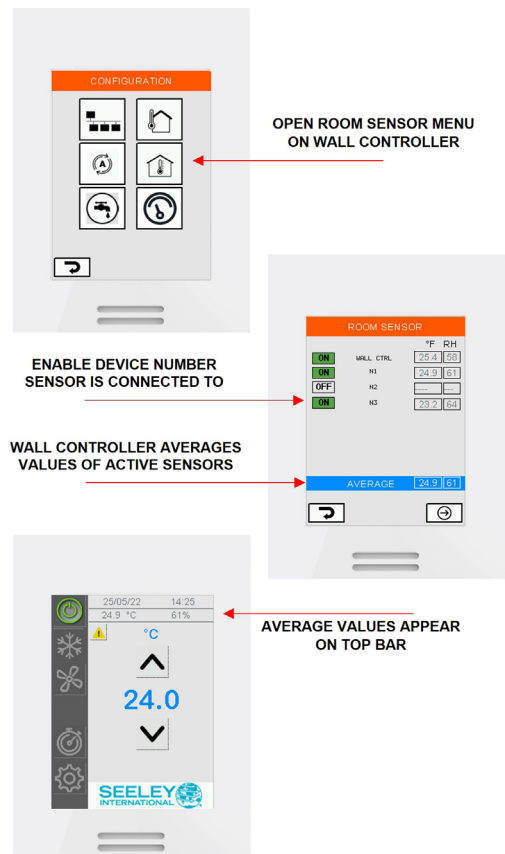
Check the Temperature and R/H values on cooler PLC screen are present and correct.

Units can be changed between °C and °F in the PLC settings.



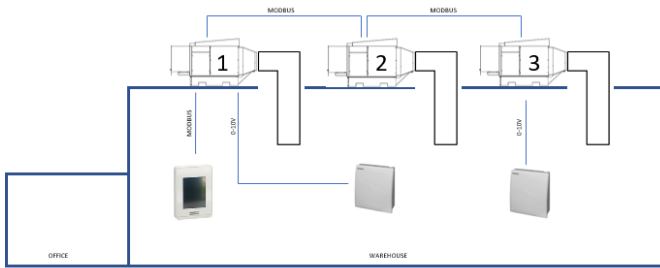
WALL CONTROLLER SETUP

When used in conjunction with a Multi-Magic Wall Controller, systems with more than one cooler can use multiple room sensor inputs averaged together to provide an overall value for larger spaces.

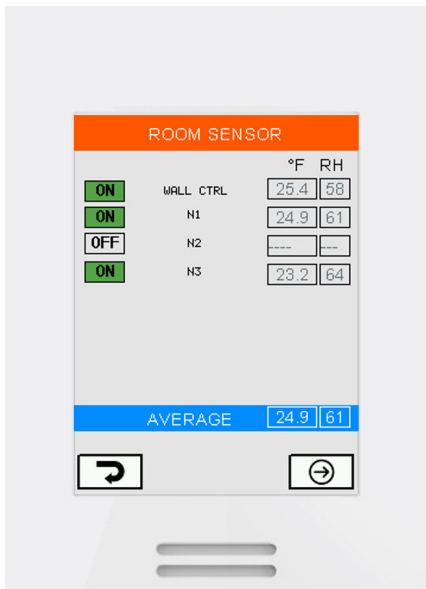


MULTI-MAGIC ROOM SENSOR INSTALLATION

EXAMPLE SETUP 1



ILL3774-A



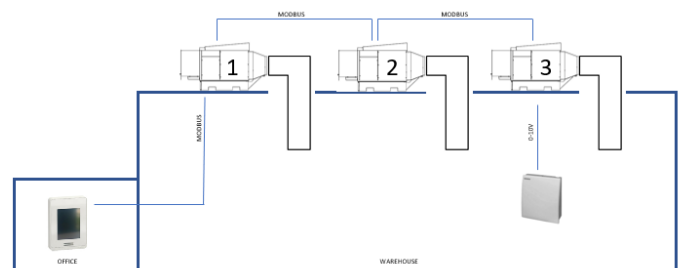
ILL3775-B

3x CW-H coolers are used to control internal warehouse space temperature.

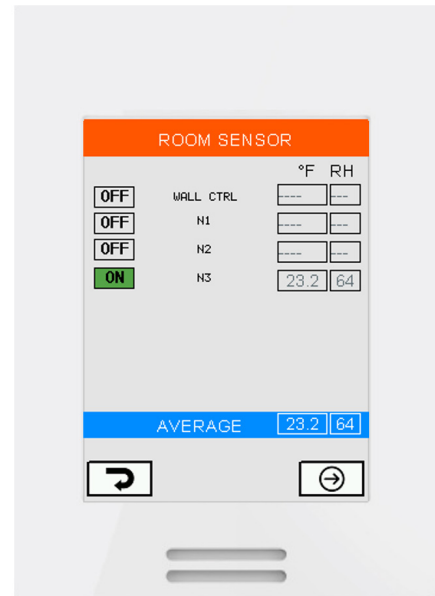
Room sensors are installed on Coolers 1 and 3.

Temperature and relative humidity values from the Wall Controller and both Room Sensors are averaged together on the Wall Controller.

EXAMPLE SETUP 2



ILL3776-A



ILL3777-B

3x CW-H coolers are used to control internal warehouse space temperature.

A Room Sensor is installed on Cooler 3.

The Wall Controller is installed inside a separate office. Temperature and relative humidity values from the Wall Controller are set OFF and only the Room Sensor is used

All other cooler control functions are still possible with the Wall Controller.

Warranty Service Australia
1300 650 644

For outside Australia contact your local dealer.

seeleyinternational.com

It is the policy of Seeley International to introduce continual product improvement. Accordingly, specifications are subject to change without notice. Please consult with your dealer to confirm the specifications of the model selected.