

P2CON-XS12 Wiring Guide for Auber PT100 RTD Probes

Version 1.0 (March 2021)

Auber's P2CON-XS12 series 3-pin connectors are compatible with the old 3-pin connectors (RTDCON) that are used on Auber's PT100L series liquid tight probe and the braided cables. However, the pins are labelled differently. To ensure the compatibility between the new connector and the old connector, please follow this guide when wire the P2CON-XS12 to either a PT100 RTD probe or to an extension cable.

Pin Assignment of P2CON-XS12 Series 3-Pin Connector

The pictures below show how the pins are labelled. Please note that the notch should be positioned on the top at the 12 o'clock position.



Female connector

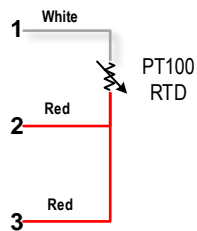


Male connector (inline)

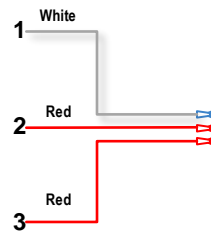


Male connector (panel mount)

When soldering a PT100 RTD probe to a P2CON-XS12 3-pin connector, please be sure to identify the pin number marked by each of the pin and follow the diagram below. If a male connector is installed on an Auber's liquid tight probes, the pin 1 and 2 should be soldered to the PT100 sensing element, and the pin 3 should be jumped to pin 2.



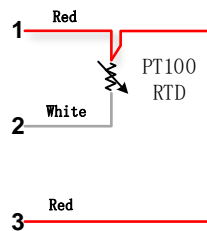
Connect P2CON-XS12 3-pin connector to a PT100 probe.



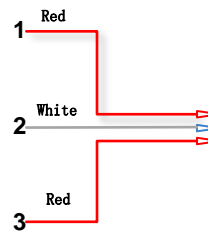
Connect P2CON-XS12 3-pin connector to an extension cable.

Pin assignment of the old RTDCON 3-pin connector

For a RTDCON 3-pin connector, if you are going to connect a PT100 RTD probe to the connector, the sensing element should be connected between pin 1 and pin 2, and the pin 1 and pin 3 should be jumped together (or connected to the wires of the same color).



Connect a RTDCON 3-pin connector to a PT100 probe.



Connect a RTDCON 3-pin connector to an extension cable.

(End)