



Omega HX93AV RH/Temperature Transmitter
 Sensor Application Note #6

Overview

This Sensor Application Note provides additional information to wire and configure the Omega HX93AV RH/Temperature Transmitter. The relative humidity (RH) and temperature outputs are both scaled for 0-1VDC output. The temperature measurement is supported using a 100 Ohm Platinum RTD.

More information on this transmitter may be found in the Omega Humidity Handbook.

Wiring

Description	HX93AV	Non-MultiSensor	MultiSensor
RH Output	TB1-2	1H1/1H	1H1/1H
Temperature Output	TB2-2	1L1/1L	1L1/1L
Power Supply + (12V)	TB1-1 & TB2-1	1H2/2H	1H2/2H
Power Supply – (G)	TB1-3 & TB2-3	1L2/2L	1L2/2L

Note: The power supply is 12VDC. If lead lengths are excessive, greater than 1000', it may be recommended to use 24VDC.

Configuration

Type	Make	Model	Instruction File	Description	Output Units
Humidity	Omega	HX93AV	Hx93av.ins	Model HX93AV (voltage)	0-100, %RH

For the temperature measurement use the Upper Channel Device **HX93AV-°C**. The output units are °C.

The HX93AV sensor configurations are included in shipments of MultiLogger beginning with v2.1.0. Contact Canary Systems if you require assistance configuring them with older versions of the software.

Non-MultiSensor Multiplexer Wiring

