

Conlab AC Voltage Transmitter Connection Instructions

For use with HOBO® U12, UX120-006M, MX1104, and MX1105 data loggers and HOBO ZW data nodes

Applies to these Conlab AC Voltage Transmitters:

Onset Part No.	Max. Input Voltage	Input Frequency	Output	Conlab Part No.
T-CON-ACT-150	150 Volts AC	60 Hz	0-20mA representing 0 to 150 Volts AC	ACT-SV-150-20-I-2-S
T-CON-ACT-300	300 Volts AC	60 Hz	0-20mA representing 0 to 300 Volts AC	ACT-SV-300-20-I-2-S

⚠ DANGER!—HIGH VOLTAGE HAZARD ⚡

Installing transmitters in an energized electrical enclosure or on any energized conductor can result in severe injury or death. These transmitters are for installation by qualified personnel only. To avoid electrical shock, do not perform any installation or servicing of these transmitters unless you are qualified to do so. Disconnect and lock-out all power sources during installation and servicing. Please read transmitter user manuals for instructions and use.

This document provides instructions on connecting the Conlab AC Voltage Transmitters listed above to HOBO U12, UX120-006M, MX1104, or MX1105 data loggers or ZW series data nodes via a 4-20mA cable. It also lists recommended configuration values to use for each transmitter when setting scaled values and units using HOBO software. **Note:** The Conlab transmitters are self-powered devices. For information on connecting the transmitters to the power source and other transmitter details, refer to the documentation provided by Conlab.

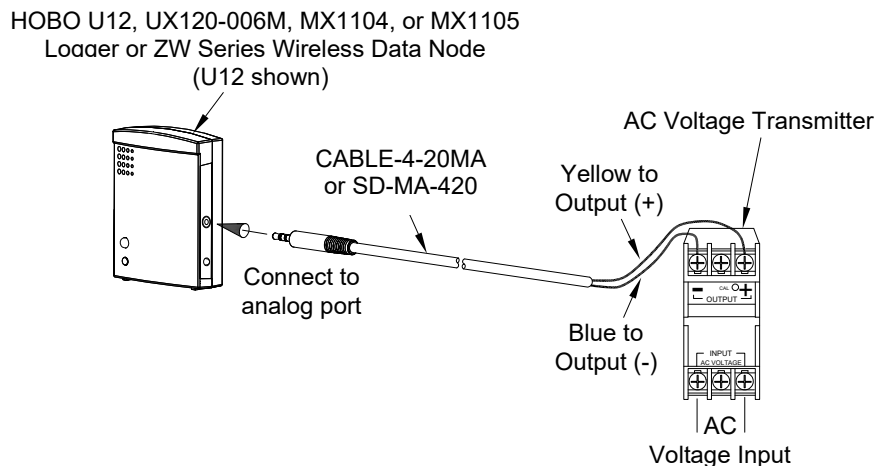


Conlab AC Voltage Transmitter

Required:

- Selected Conlab AC Voltage Transmitter
- HOBO U12, UX120-006M, MX1104, or MX1105 data logger or HOBO ZW series data node
- 4-20mA cable, CABLE-4-20mA or SD-MA-420
- HOBOWare® software, version 2.2.1 or higher for U12; 3.0 or higher for ZW series; 3.6 or higher for UX120-006M
- HOBObconnect™ for MX1104 and MX1105

Connecting the AC Voltage Transmitter to the Logger or Data Node:



Conlab AC Voltage Transmitter Connection Instructions

Configuring the Logger or Data Node for the AC Voltage Transmitter, using HOBOWare Software:

To set the scaled values and units for the transmitter at logger launch (recommended configuration values shown below), refer to the *HOBOWare User's Guide* for details. **Note:** You can also use these values when configuring scaling in HOBOnnect.

Onset Part No:	Channel Name	Measurement Type	Raw Value 1	Raw Value 2	Raw Units	Scaled Value 1	Scaled Value 2	Scaled Units
T-CON-ACT-150	Voltage	Current	0	20	mA	0	150	VAC
T-CON-ACT-300	Voltage	Current	0	20	mA	0	300	VAC