

# Conlab AC Voltage Transmitter Connection Instructions

For use with HOBO<sup>®</sup> U12 and UX120-006M 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 or UX120-006M 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 HOBOWare<sup>®</sup> 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.

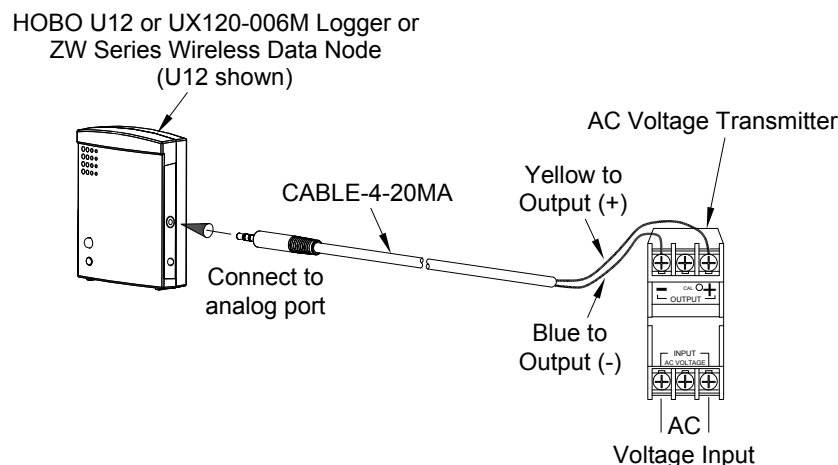


Conlab AC Voltage Transmitter

### Required:

- Selected Conlab AC Voltage Transmitter
- HOBO U12 or UX120-006M data logger or HOBO ZW series data node
- 4-20mA cable, Onset Part No: CABLE-4-20mA
- HOBOWare Software, version 2.2.1 or higher (3.0 or higher for ZW series; 3.6 or higher for UX120-006M)

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



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### 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.

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