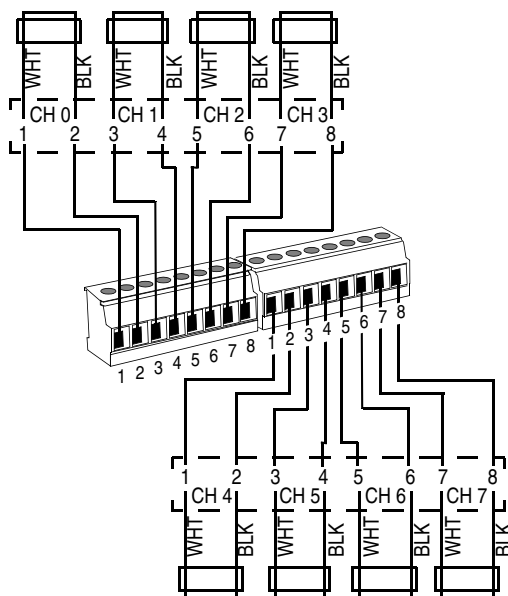


# SNAP Analog Input Modules

## ICTD Temperature Input Module, Eight Channels

### SNAP-AICTD-8

ICTD Source



NOTE: Terminals 2, 4, 6, and 8 on both connectors are connected internally.



Part Number	Description
SNAP-AICTD-8	Eight-channel analog temperature input, ICTD

### Description

The SNAP-AICTD-8 module provides temperature input data from any industry-standard Integrated Circuit Temperature Device (ICTD). It has eight channels of input. The SNAP-AICTD-8 can be used only with SNAP PAC brains and rack-mounted controllers (standard wired and Wired+Wireless models).

The simple two-wire connections are made to the terminal strip on top of the module. Up to 2,000 feet of ordinary hook-up wire is used to connect the sensor to the input terminal strip.

The module is compatible with all industry-standard ICTD probes, including the AD-590 family from Analog Devices and Opto 22's part number ICTD.

### Specifications

Input Range with ICTD Probe	-40 °C to +100 °C
Module Input Range	
Zero Scale	-273 °C
Full Scale	+150 °C
Data Freshness (Max)	0.28 seconds
Resolution	0.017 °C
Accuracy with ICTD Probe	±0.8 °C
Sensitivity	1.0 mA/ °C
DC Common Mode Rejection	>-120 dB
AC Common Mode Rejection	>-120 dB @ 60 Hz
Maximum Operating Common Mode Voltage	250 V
Isolation	1500 V
Power Requirements	5 VDC (± .015 ) @ 170 mA
Operating Temperature	0 °C to 70 °C
Storage Temperature	-25 °C to 85 °C