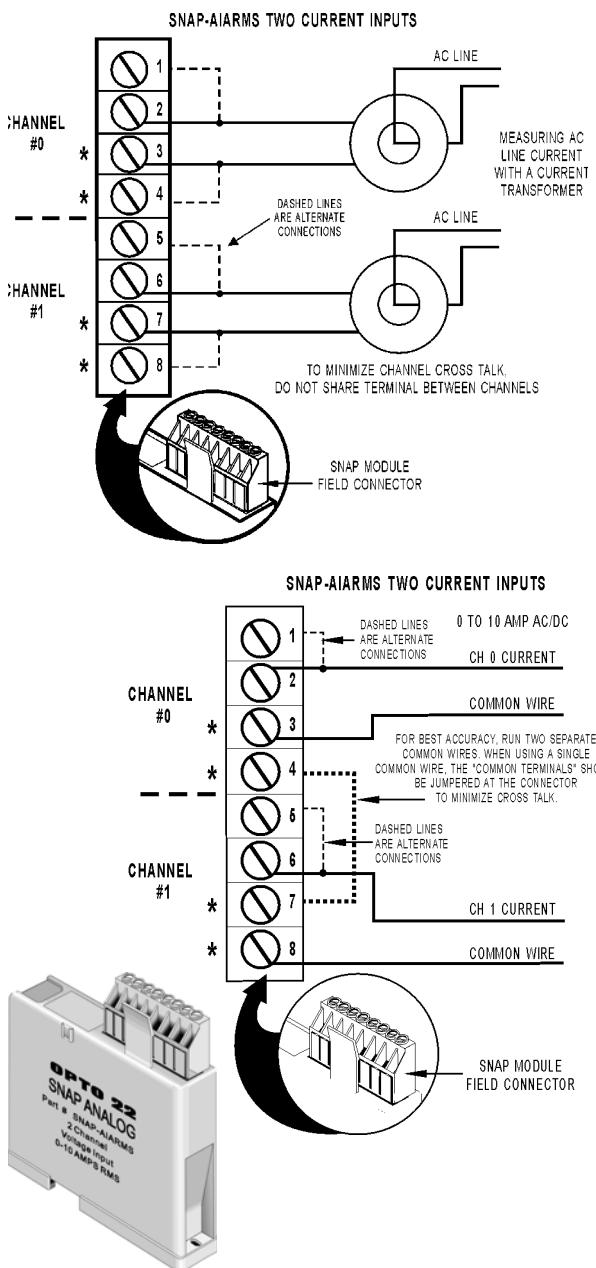


SNAP Analog Input Modules

0 to 10 Amp RMS AC/DC Input Module

SNAP-AIARMS

Two possible wiring diagrams are shown. Terminals 3, 4, 7, and 8 share a common connection inside the module. **Make sure you observe polarity** when connecting the second channel. To avoid a potentially hazardous short, double-check wiring before turning on the current to be monitored.



Part Number	Description
SNAP-AIARMS	Two-channel 0 to 10 amp RMS AC/DC input

Description

The SNAP-AIARMS module provides an input range of 0 to 10 amps RMS AC/DC. An ideal input is the 5-amp secondary of a standard current transformer used to monitor AC line current.

The SNAP-AIARMS module may be used to monitor AC current to greater than a 100-amp range, using a current transformer of suitable ratio.

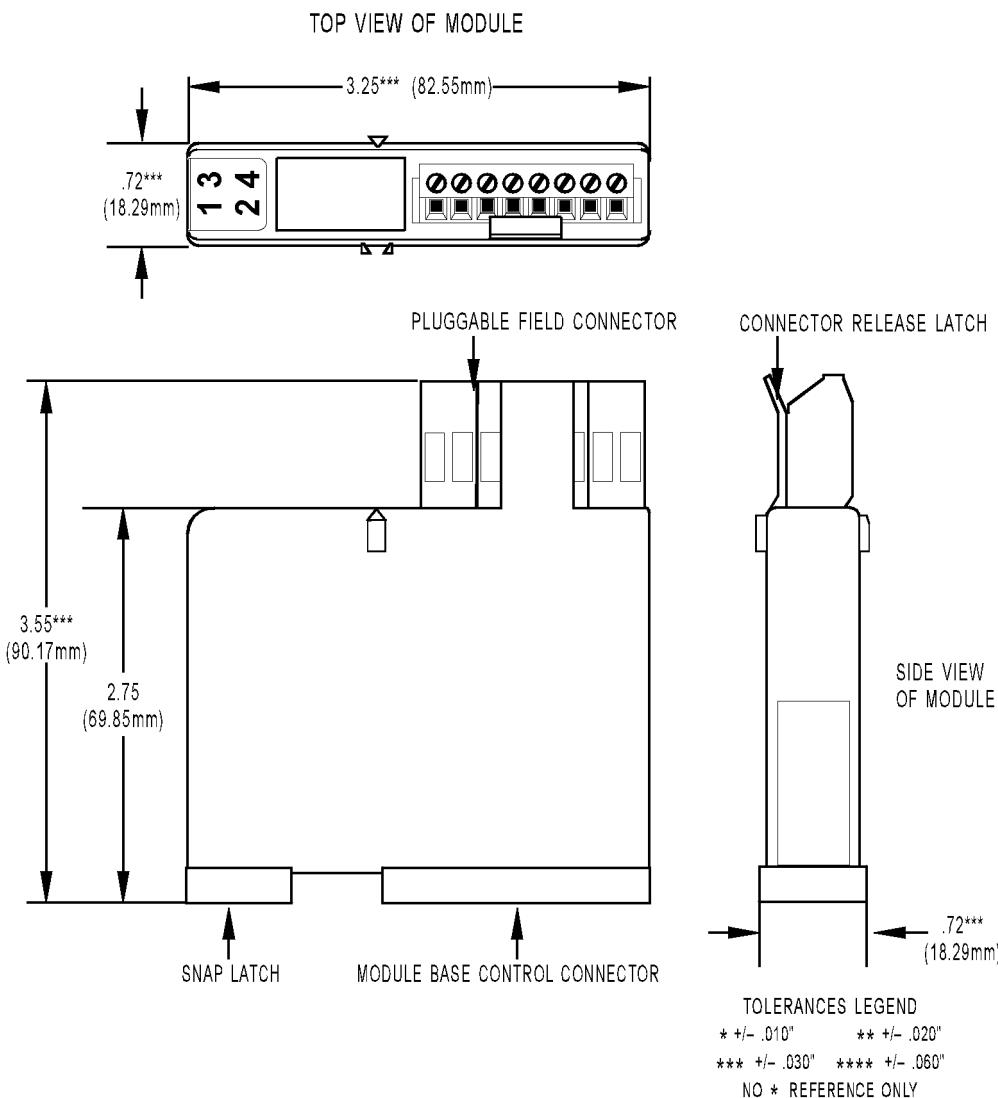
If you need a module with channel-to-channel isolation, see form #1182, the *SNAP Isolated Analog Input Modules Data Sheet*.

Specifications

Input Range	0 to 10 amp RMS AC/DC
Input Over Range	To 11 amps
Input Resistance	0.005 ohms
Maximum Input	11 amps AC/DC
Accuracy (AC)	± 8 mA and $\pm 0.2\%$ reading
Resolution	400 microamps
DC Reversal	± 16 mA (0.16%)
Input Response Time (Step Change)	5% (12.5 V) in 100 mS 63.2% (158 V) in 200 mS 99% (248 V) in 1200 mS
DC Common Mode Rejection	>-120 dB
AC Common Mode Rejection	>-120 dB at 60 Hz
Maximum Operating Common Mode Voltage	250 V
Isolation	1500 V
Power Requirements	5 VDC (± 0.15 V) at 170 mA
Operating Temperature	0 °C to 70 °C
Storage Temperature	-25 °C to 85 °C

Dimensional Drawing

All Two- and Four-channel Modules



SNAP Analog Input Modules

Dimensional Drawing

Height on Rack: All Two- and Four-channel Modules

