

Part Number	Description
SNAP-SCM-W2	Two-channel Wiegand interface serial communication module

Description

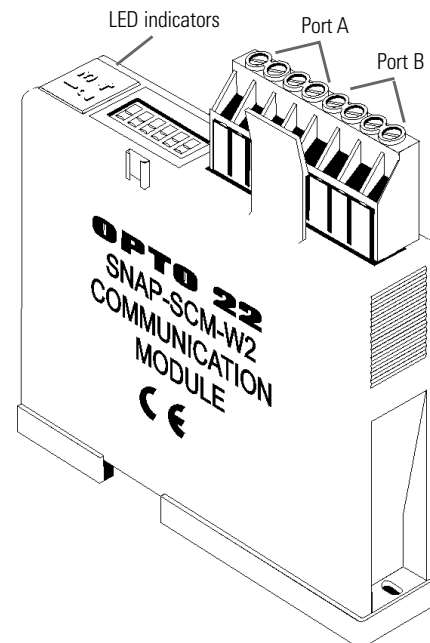
The SNAP-SCM-W2 serial communication module provides two isolated channels of data input from attached devices that comply with the Wiegand® interface format. Ideal for access control applications, the SNAP-SCM-W2 complies with the Security Industry Association Standard Protocol for the 26-bit Wiegand Reader Interface. As part of a SNAP I/O™ system, the module lets you manage access to rooms, equipment, or remote facilities.

The SNAP-SCM-W2 is designed for users of SNAP Ultimate I/O™ with the SNAP-UP1-ADS brain. It can also be used with analog/digital/serial SNAP Ethernet brains and SNAP-IT units. The module receives incoming data from card readers, keypads, or other Wiegand devices. This data is processed by the brain and made available for use by authorized computers through any or all of the brain's communication protocols, including SNMP, SMTP, FTP, Opto 22's OptoMMP memory map-based protocol, and Modbus/TCP. When the module is used with the SNAP Ultimate I/O brain, incoming data from Wiegand devices can also be processed by an ioControl™ strategy running on the brain.

The SNAP-SCM-W2 snaps into Opto 22 B-series mounting racks right beside digital, analog, and regular RS-232 or RS-485 serial modules, to provide the mix of modules you need for your application at any location, local or remote.

Also available are two sample software applications: an ioControl strategy and a Visual Basic utility application. The strategy configures modules, processes card reader data, and sends SNMP traps for security monitoring. The utility manages user names and entry permissions. The sample strategy can be used as is or modified to fit your application. Both samples can be downloaded from our Web site at www.opto22.com.

For details on using the SNAP-SCM-W2, see Opto 22 form #1191, the *SNAP Serial Communication Module User's Guide*. For information on the sample ioControl strategy and utility application, see form #1366, the *Door Access Management* technical note.



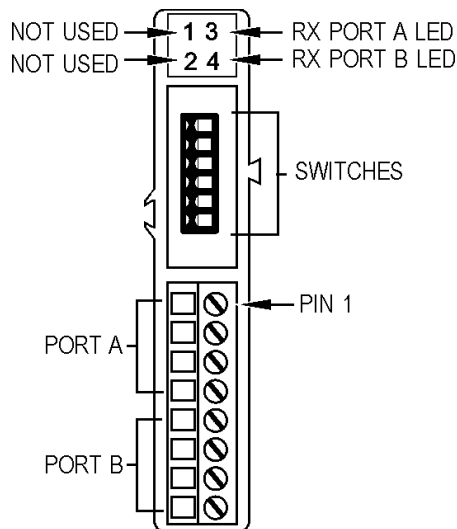
Features

- Two individually isolated Wiegand interface serial ports
- Works with SNAP Ultimate I/O, SNAP Ethernet I/O, and SNAP-IT units
- Up to eight Wiegand modules per rack
- LED indicators for received data on each port
- Sample ioControl strategy and Visual Basic utility available
- 30-month warranty.

Specifications

Brain compatibility	SNAP-UP1-ADS, SNAP-UP1-M64, SNAP-B3000-ENET, SNAP-ENET-RTC, SNAP-WLAN-FH-ADS
Channel-to-channel isolation	250 V _{RMS}
Logic supply voltage	5.0 VDC (± 0.15)
Logic supply current	250 mA
Number of ports per module	2
Maximum number of modules per rack	8
Maximum cable length	See table below
Operating Temperature Storage Temperature	0° to 70° C operating -30° to 85° C storage

Cable Length	Conductor Size
Up to 200 ft. (60 m)	22 GA stranded or larger
Up to 300 ft. (90 m)	20 GA stranded or larger
Up to 500 ft. (150 m)	18 GA stranded or larger

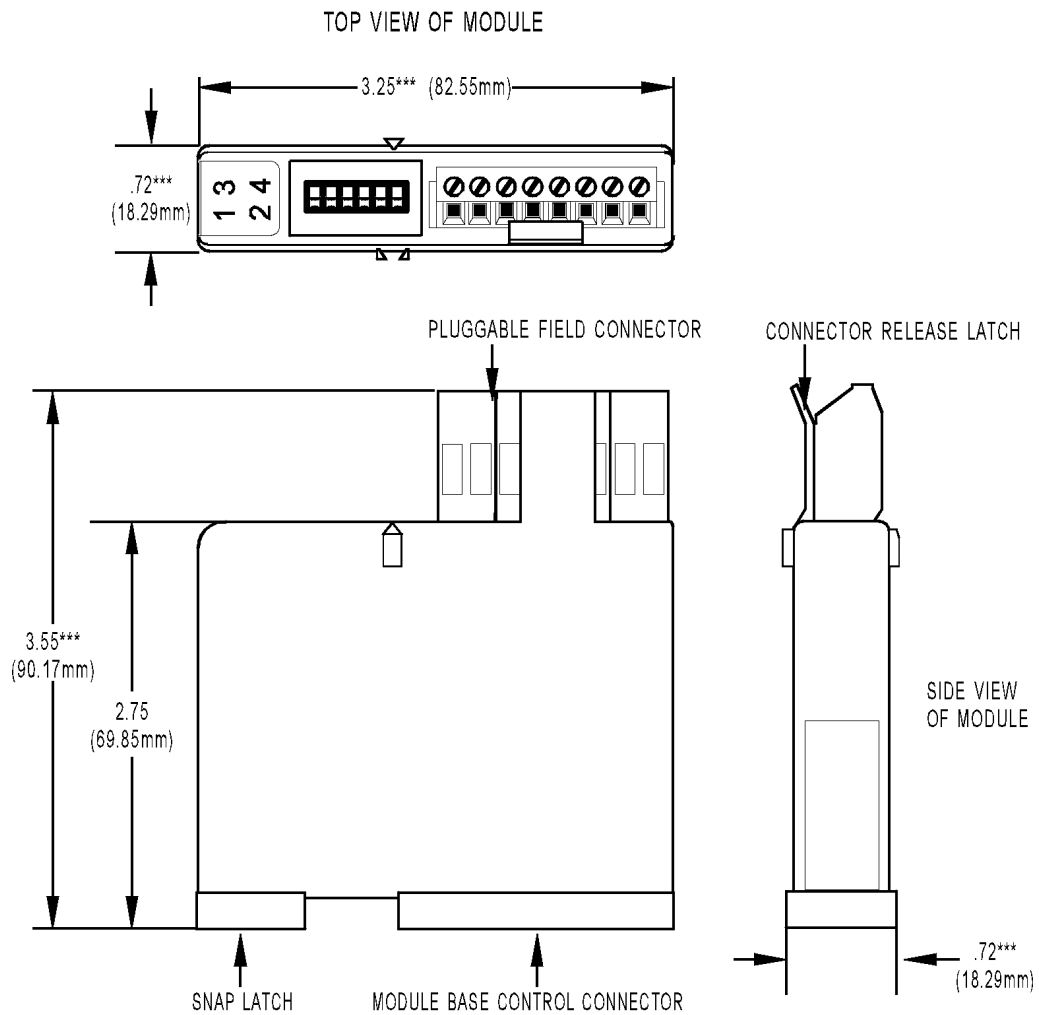


LED	Indicates
1	Not used
2	Not used
3	RX port A
4	RX port B

For pinouts and additional information, see Opto 22 form #1191, the *SNAP Serial Communication Module User's Guide*.

Dimensions

SNAP-SCM-W2 Wiegand Serial Communication Module



TOLERANCES LEGEND
* +/- .010" ** +/- .020"
*** +/- .030" **** +/- .060"
NO * REFERENCE ONLY