

SC-01

Addressable Converter



The INCON SC-01 Addressable Converter provides enhanced communication possibilities for LTCs and other devices at power utility substations.

APPLICATIONS

The SC-01 is ideal for any application that requires a device with an RS-232 port to communicate over an RS-485 Bus.

- Converts any device with an RS-232 port to full duplex RS-485, thus permitting multi-drop communication
- Provides ability for 32 devices to connect to one RS-485 line and communicate remotely using one modem
- Permits INCON devices to communicate with other IEDs currently being used by the power utility market
- Compatible with several INCON products including the OPTImizer+, Model 1250B, Model 1810, Model 1511, Model 1255, and others

CAPABILITIES

The SC-01 expands communication options by allowing multiple devices to communicate with each other. It also allows users to obtain the required interface module based on their needs and available support experience with network systems and protocol conversions.

- Allows each monitor to have an assigned address
- Permits communication between non-addressable RS-232 devices via built-in intelligence located in the converter
- The RS-232 device allocates the

RS-485 link transparently

- Provides remote access through modem or multiple input RTU devices
- Provides current output information from an existing INCON unit into a more usable form
- All converters and drivers reside in the module and it does not require any external hardware or software
- Allows any device communicating in ASCII over RS-232 to communicate over RS-485 (full duplex)

BENEFITS

- ▶ Improves substation communication schemes
- ▶ Allows more remote monitoring capability
- ▶ Solves utility networking problems
- ▶ Easy set up and configuring
- ▶ Reduces data acquisition costs by eliminating the need for personnel to visit each location
- ▶ Allows accurate, timely data acquisition from substation operations
- ▶ Compatible with wide variety of products from all manufacturers

SPECIFICATIONS

GENERAL

Control Power	10-14 VDC, 100 mA
Mechanical	Module panel or DIN Rail mount
Temperature	0 to 70 degrees Celcius
Address Range	A-Z, a-f
Dimensions (LxWxH)	2.5 inches x 2.0 inches x 1 inches
Weight	7 ounces

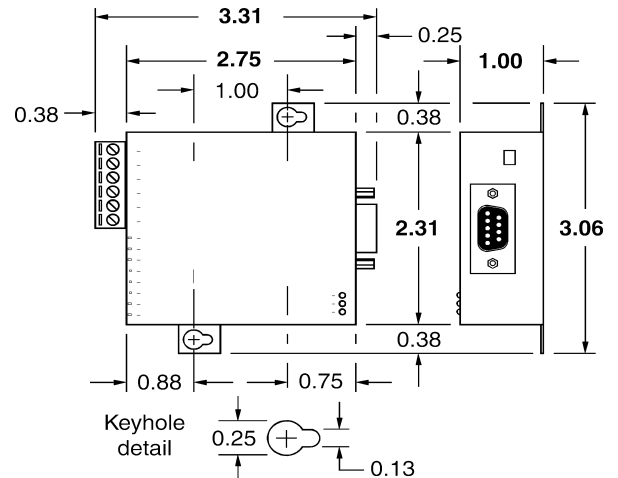
INPUTS/OUTPUTS

RS-232 port	Supports TX, RX, GND (DB9) Female, DTE or DTC
RS-485 port	4 wire terminal block
Address	8 pos. DIP switch
Isolation	1000VDC

COMMUNICATIONS

Speed	9600 Baud
Distance	1100 feet, maximum
Termination	120 Ohm 1/4 W res. if RS-485 exceeds 300 feet
RS-485 Bus	Up to 32 addresses, full duplex
Comm. port settings	9600 pbs, 8 data bits, 1 stop bit, no parity, no handshaking

SC-01 DIMENSIONS



All dimensions shown in inches

ORDERING INFORMATION

SC-01, includes nulled cable (1 foot, DB9 male to DB9 male)



FOR MORE INFORMATION CALL:

800-872-3455

Or Visit: www.intelcon.com

74 Industrial Park Road, PO Box 638, Saco, ME 04072
Phone: 207-283-0156 Fax: 207-283-0158
email: sales@intelcon.com



INCON® is a registered trademark of Intelligent Controls, Inc.