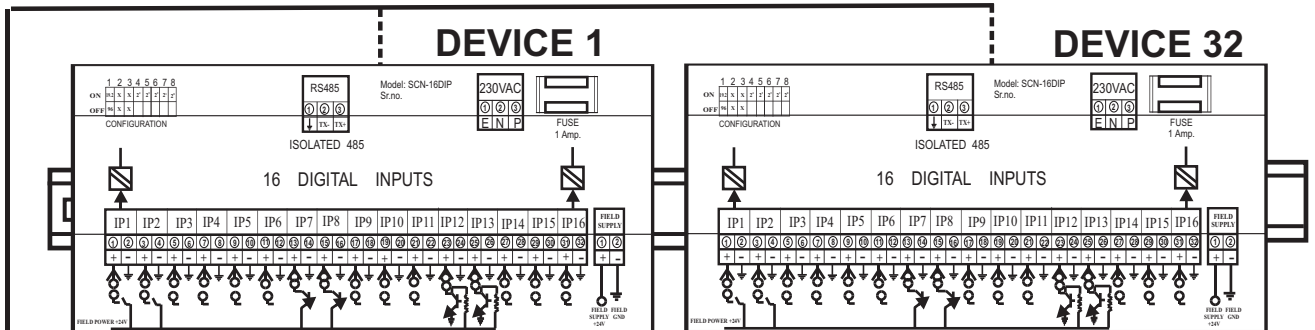


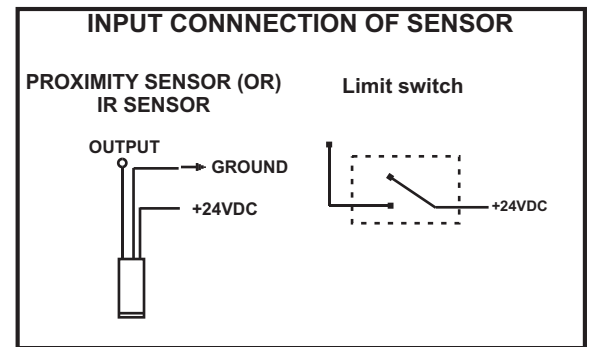
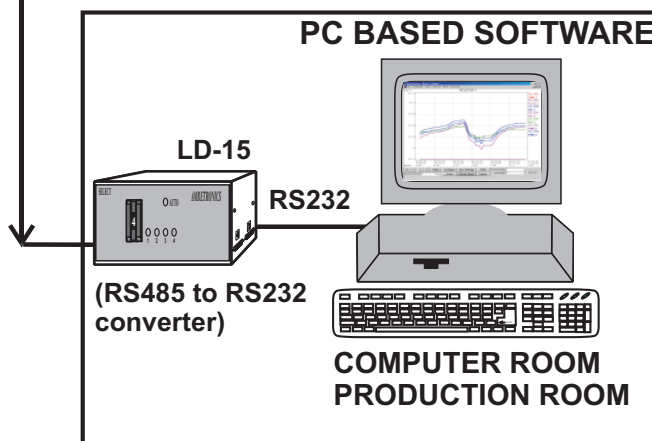
16 DIGITAL INPUT MODULE SCN - 16DIP

RS-485 MODBUS RTU (1200 METER)



Maximum 16 digital input,  
proximity, Infrared, Limit switch.

RS-485



**CLASSIC FEATURES:**

- \* ECONOMICAL & EASY SETUP
- \* REMOTE INPUT / OUTPUT MODULES
- \* MODBUS COMMUNICATION PROTOCOL
- \* INPUTS PHYSICALLY AND OPTICALLY ISOLATED
- \* WATCHDOG TIMER INSIDE
- \* RS485 SERIAL INTERFACE
- \* COUNTER INPUT.

**GENERAL DESCRIPTION:-**

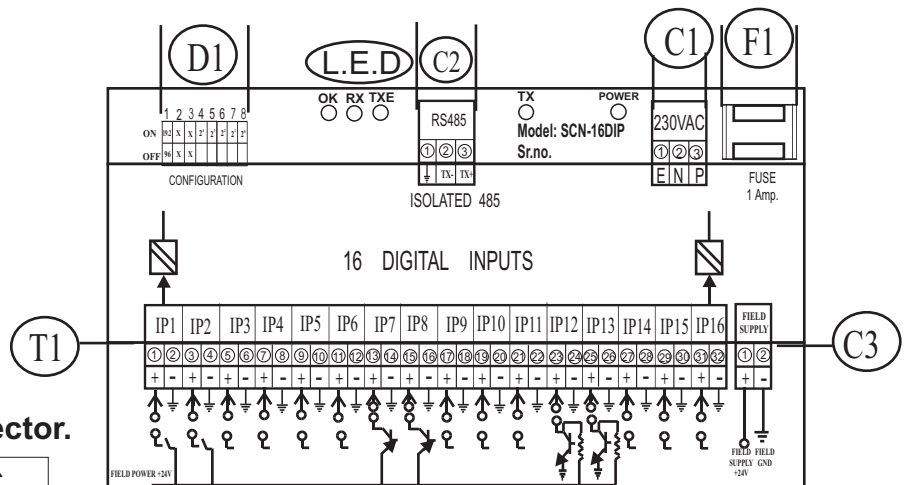
The Module SCN-16DIP is used for digital input. It consist of 16 digital input. All inputs are physically optical isolated. It has indication of inputs status. The modules are the economical and easy to setup of a remote data acquisition and control system. Remote I/P modules allow reading of digital signals, frequency measuring, event counting. Modules accept power from 220VAC / 24VDC & can be easily mounted on a Din rail. All the modules provide a serial RS-485 interface with a Modbus communication protocol; fully isolated converters and repeaters are available to set-up the connection network between the modules and the Supervisory Computer. The WINLOG SCADA software provides and operator interface in a Windows environment for real-time supervision, historic trend analysis and alarm management. All the data are recorded in history databases in a format accessible from the main software packages (EXCEL, ACCESS etc.) An integrated development environment provides different tools for the easy & intuitive creation of various applications.

## TECHNICAL SPECIFICATIONS:

<b>No. of Channels</b>	: 16 digital inputs optically isolated.
<b>Type of Inputs</b>	: Potential free inputs. proximity, Infrared, Limit switch.
<b>Indication</b>	: 3 mm L.E.D indication for system operation and input Status.
<b>Watchdog</b>	: Built in failsafe Watch-dog timer
<b>Serial Port</b>	: Optical isolated RS485 port with Modbus RTU protocol.
<b>Serial Settings</b>	: It has 8 way DIP switch on front bazeL which is used for Baud rate & unit ID no. setting. Set DIP switch before the power is switched ON.
<b>Baud Rate Setting:</b>	Switch 1 ON 19200, switch 1 OFF 9600 baud rate.
<b>ID No. Setting</b>	: Switch 8 to 4 are used for ID no. Setting. ID setting is in binary form. Please Refer operating Manual.
<b>Supply voltage</b>	: 230 VAC $\pm$ 10%, 50Hz or 24VDC.
<b>Connections</b>	: Screw type, total 32 input connection for 16 input.
<b>Excitation Supply</b>	: 24 VDC, @ 100 mA output is available for external Excitation supply or you can use external DC supply (to be Specified).
<b>Mounting</b>	: Din rail mounting
<b>Dimension</b>	: 100(H) X 200(W) X 70(D) in mm.
<b>Weight</b>	: 900 gm.

**Ordering Information:** Supply voltage, Detail application, SCADA software.

## MODULE DETAILS:



### C1: Mains supply connector.

	230VAC	24VDC
1	EARTH	
2	NEUTRAL	FIELD GND
3	PHASE	FIELD 24V

### C2: RS485 SERIAL PORT CONNECTOR.

	RS485
1	SERIAL GND
2	TX- / RX-
3	TX+ / RX+

### C3: Field supply connector.

	+24 VDC FIELD SUPPLY
1	+24VDC
2	FIELD GROUND

### SCN-16DIP Module T1 to T32 : 1 to 16 digital inputs.

<b>D1</b>	: Address and baud rate selection.
<b>LED OK</b>	: Self test of instrument OK indication.
<b>LED RX</b>	: Received data indication.
<b>LED TXE</b>	: Transmit enable of instrument indication.
<b>LED TX</b>	: Transmitting data indication.
<b>LED power</b>	: Device status ready indication.
<b>LED 1-16</b>	: Input physical status indication.
<b>LED 17</b>	: Field supply status indication.