



SERIES: SN80

- UP TO 8 INPUT CHANNELS
- DIGITAL INTERFACE OPTION
- DIGITAL INDICATION OF CHANNEL NUMBER
- 4 PROGRAMMABLE COMMUTATION MODES



INTRODUCTION

Indumart *SN80 Series* of Programmable Sensor Scanner is an excellent solution for scanning of up to 8 two-wire input signals with common ground wire to form a powerful multi-point monitoring system.

The digital display of the *SN80 Series* indicates the selected input channel number while the LED indicator displays the selected mode. The *SN80 Series* has four commutation modes: 1) manual mode, 2) auto mode, 3) auto mode with output number retransmission, and 4) external input selection. All operating modes as well as input interchange period can be programmed by the two-key keyboard on the front panel. The 'hold current channel' control input is also available.

The digital interface option significantly improves the capabilities of the *SN80 Series*, allowing selection of the input channel by a command from a remote PC or reporting the selected input channel number to the PC.

Manual Mode: Input change is made manually through the keyboard.
Auto Mode: Inputs are automatically changes (multiplexed) by the device.
Auto Retransmission Mode: Auto mode + selected channel is transmitted via the interface.
Remote Control: Input selection is controlled by a remote device via the interface.

ORDER CODE

Model: **SN80** -

No. of Input Channels
2 to 8 (entre the number of inputs)

Power Supply
110 VAC
230 VAC
90...250 VAC/DC
12...24 VDC
9...18 VAC

Relay Type
Reed relays
Electromechanical relays
MOS gate

Digital Interface
Not required
Required

1
2
3
4
5

1
2
3

0
1

SPECIFICATIONS

Input

Multiplex Inputs	2 to maximum 8 inputs
Input Line Type	2-wire
Isolations Between Inputs	Common ground
Output Isolation	Common ground
Hold current channel input - function	Passive contact or TTL Holds current channel

Output

Output Line Type	2-wire
Connection to Inputs	By relays
- reed-relay	NO contact: 1A DC or 2A AC
- relay electromechanical (op)	NO contact: 3A DC or 6A AC
- transistor gate (option)	MOS - 0.5A AC/DC
Output Function	Connected to selected input
Number of Relays	1 per input

Indication & Keyboard

Digital Display	1 LED indicator, 9 mm
LEDs	3 LEDs for mode indication
Keyboard	2 membrane keys

Mode & Communication

Communication Period	2 to 30 seconds programmable
Operating Mode	4 programmable modes

Digital Interface (option)

Output Type	Parallel, binary coded
Output/Input Function	Retransmission/selection
Isolation	None

Power Supply

Supply Voltage	90...250 VAC/DC, 230 VAC, 110 VAC, 9...18 VAC, 12...24 VDC
Consumption	2 VA maximum

Operating Conditions

Ambient Temperature	-10...65°C
Ambient Humidity	up to 85% RH

Design & Material

Case Material	Plastic
Front Protection	IP54
Panel Cut-out	93 x 45 mm
Dimensions (mm)	96 x 48 (front panel); 120 (depth)
Weight	350 grams maximum

