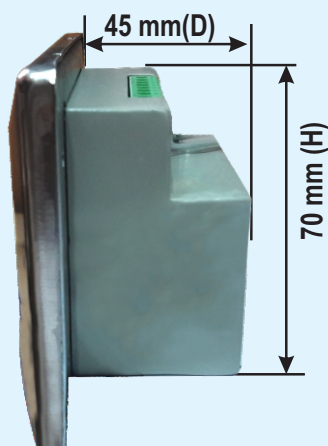


CLEAN ROOM PROCESS MONITOR

Front View



Side View



Features

- Multi-drop connection, saves cabling
- Ring Topology possibility for Redundancy
- One Second Scan time for each slave
- Password protected programming
- Isolated RS-485 communication ports
- 2 Optional relays
- Easy programming with 3 keys on front panel
- Built-in Buzzer/Relay for alarm set points with alarm acknowledgment facility

Applications

- Clean room application in Pharmaceutical Industry
- Pharma Environments monitoring applications.
- Healthcare, Hospitals, Shopping Malls
- HVAC (Heating, ventilation, Air conditioning, Cooling).
- Cold storage, chilling Plant

Single channel Process monitoring system with 2x4 digit display

TECHNICAL SPECIFICATIONS

Input

RS-485 : 1No. Slave device with Modbus-RTU protocol

Range & Resolution

Range : User settable within 4 digits (-999 to 9999)
Resolution : 1, 0.1, 0.01, 0.001

Indication/Alarm / Control

Display : 2x4 digit Seven Segment 0.4" Red LED display
Status : 2 LEDs AL1 And AL2 for Alarms and COM LED for communication
Integrated Buzzer for process violation of Alarm Limits

Communication

To Modbus : Isolated RS-485 communication with Master Modbus RTU Protocol
Programmable : Baud rate (9600), Parity (O/E/N), Data bits (7/8), Stop bits (1/2)
No. of slave ID : 1-250

Error Monitoring

Indications : Over / Open / Read error

Programmable Parameters

Set Point : 2 Nos. AL1, AL2 User Programmable
Setting : 3 Nos. push button front keys (with password protection)
Alarm Logic : High or Low user programmable

Optional

Relay : 1 No. SPDT Relay for Rating "2A/120VAC, 2A/24VDC, for each channel with settable latching feature.

Environmental

Operating Temp. : 0 to 50°C
Humidity : Below 90% rH, Non condensing.

Electrical

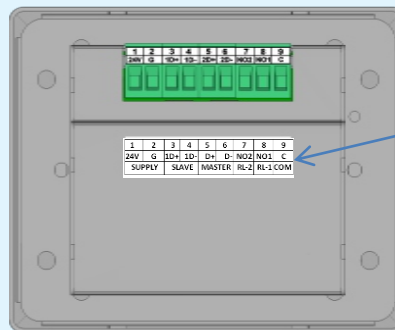
Supply Voltage : 24VDC ± 10%
Wattage : Less than 1.2 watt at 24VDC

Dimensions

Flush Plate : SS-304
Front plate size : 110 mm(W) x90 mm(H)
Back enclosure : 76 mm (W) x70mm(H) x45mm(D) MS with powder coated
Mounting : Modular wall mounting with Stainless Steel Front

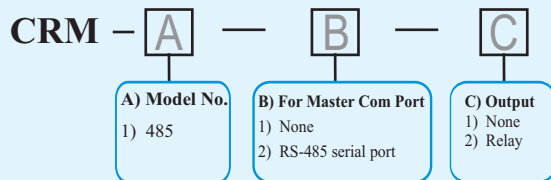
BACKSIDE CONNECTION DETAILS

24V DC and RS 485 connection details for clean room monitor



1	2	3	4	5	6	7	8	9
24V	G	1D+	1D-	D+	D-	NO2	NO1	C
SUPPLY		SLAVE		MASTER		RL-2	RL-1	COM

ORDERING INFORMATION



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Version : CRM-485-R2-09-12-2017

