3.5" LCD Resistive Touch Display

MBRX - DSP-IND-96-8-0-00-C



Features :

- Independent Graphical Touch Display
- 3.5" LCD with Analog Resistive Touch Screen
- 10 Password Levels for Secure Access
- In-Built Alarm Functionality
- RS485 Communication – MODBUS RTU Protocol

CE RoHS compliant PATENTED

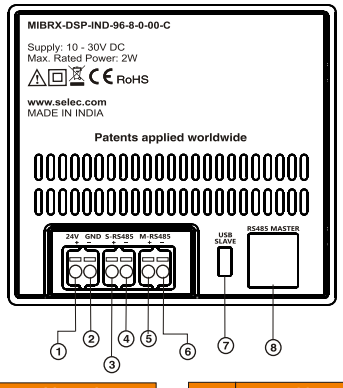
Technical specifications

Display specifications	
Display Type	TFT, Resistive Touch
No of Characters / Digits	320 x 240 Pixels
Font Size / LED bank	3.5" Diagonal with LED Backlight
No. of Keys	4 Function Keys + 1 System Key
Functional Features	
Memory	BMP Storage: 1 MB, Application Memory: 128 KB
Scan Time	Minimum - 100 µs, Typical - 400 ms (Depends on application Complexity)
Alarm	Yes
Password	Yes (10 password levels)
Communication Specifications	
Communication Port	RS485 [Slave], RS485 [Master], USB (Micro-B)
Communication Protocol	MODBUS RTU, USB 2.0
Connector	RS485 [Slave] - 2 Wire, RS485 [Master] - 2 Wire Or RJ25 Port, USB
Transmission Mode	MODBUS - Half Duplex, USB - Half Duplex
Transmission Speed	MODBUS: 2400, 4800, 9600, 19200, 38400, 57600, 115200 bps, USB-B: 12 Mbps
Data Bits	7 or 8
Parity	None, Odd, Even, Space, Mark
Stop Bits	1 or 2
Environmental Specifications	
Operating Temp	0°C to 55°C
Storage Temp	-20°C to 70°C
Humidity	10% to 95% RH (Non-condensing)
IP rating	Display: IP65, Terminals: IP20
Mechanical Specifications	
Weight	190 grams
Mounting	Panel Mountable
Dimensions in mm (WHD)	99 x 99 x 40
Auxiliary Supply Specifications	
Supply Voltage	10-30 VDC
Inrush Current	0.8A
Power Consumption	1.5W
Polarity Inversion Protection	YES
Isolation (Power ↔ Communication)	YES

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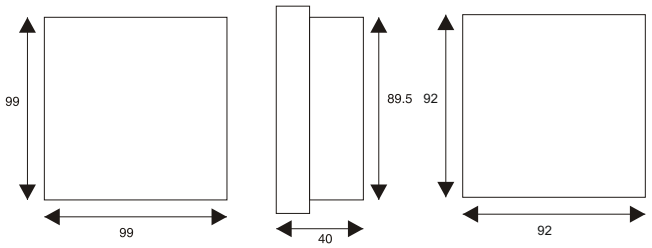
Terminal connections



SR. NO	DISCRIPTION
1	+24V
2	GND
3	RS485 SLAVE +
4	RS485 SLAVE -

SR. NO	DISCRIPTION
5	RS485 MASTER +
6	RS485 MASTER -
7	USB SLAVE
8	RS485 MASTER (JACK)

Dimensions (All are in mm)



Ordering information

Product code	Description	Certification
MiBRX-DSP-IND-96-8-0-00-C	MiBRX Independent Display 96x96 - 3.5 Inch Graphic Touch	CE RoHS
ACH-004-CE-RoHS	Expansion Cable – RJ25 to RJ25 (6Pin)	CE RoHS
MiBRX-DSP-AP-2M	MiBRX 2M Adapter Plate for Extending display	CE RoHS
MiBRX-DSP-AP-4M	MiBRX 4M Adapter Plate for Extending display	CE RoHS
MiBRX-DSP-AP-6M	MiBRX 6M Adapter Plate for Extending display	CE RoHS
AC-USB-RS485-02	Protocol Converter Cable – USB to RS485 (2 wire)	CE RoHS

Accessories (To Be Ordered Separately)

Product Code	Description
Power Supplies	
RPS60-24-CE	60W, 24V/2.5A DIN rail mounted power supply in plastic housing - CE Certified
Software - www.selec.com/software	
Selpro	Windows-based software for ladder logic and built-in HMI programming
USB to Serial Driver	USB to Serial cable drivers