

MND Modbus Network Display



The MND Modbus Network Display provides a local display that can be wired to a local Tank Cloud network, or modbus sensor, displaying readings from any of the sensors in the network (up to ten). It is easy to use and very flexible. The MND can operate in either a master or sniffer mode. With the ability to listen in on sensors or poll sensors for current readings, the MND provides a valuable display option for your network.

Features

- Large, full 5-digit display with 0.4 in. characters
- Environmentally sealed housing; IP67
- User selectable units of measure (barrels, cubic inches, liters, cubic meters, gallons, million cubic feet, cubic feet, custom)

Datos fiscales:

Corporación Eco Industrial y Comercial S.A de C.V.
Plan de San Luis # 101 Int. 801 Col. El Coecillo
León, Gto. C.P. 37260

Oficina de Ventas:

Cd. de México Tel (55) 5510-4265
Cd. de Querétaro Tel (442) 212-8075
Nextel Tel 01 (442) 413 7630
Tel 01 (442) 410 1565

MND Specifications



Performance

- RS-485 (Modbus RTU):
2400, 9600, 19200, 38400 baud rates
- Display readings: volume, level, distance, pressure

Connectivity

- Output Options:
4-20 mA, 0-3 VDC, Telecom Relay
5A (240 VAC 220 VDC max)

Environmental

- Protection rating: IP67
- Storage Temp: -30° - 160°F (-30° - 71°C)
- Operating Temp: 0° - 160°F (-18° - 71°C)

Certification

- IP67 - Plastic Housing (3.25")
- IP68 - Aluminum Housing (3" or 4")

Programming

- Programmable Features:
User selectable units of measure, Sniffer mode,
Master mode, Auto-Off

Electrical

- External Power Option: 9-28 VDC
- Battery Option:
9V Lithium
3.6V Lithium
AA Alkaline
Low battery detection with 25% increments

Physical

- Display: 5 digit LCD, 0.4 in. digits, 6 character description field

Plastic Housing

- Injected molded case (EMI-X ® PDX-W-88341)
- Protection rating: IP67

Metal Housing

- Aluminum pressure die casting, 0.5% Mg
- Chemically resistant paint
- Protection rating: IP68

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Options

Part Number: MND -

A B C D E F G H

A. Input Power

- 1 External Power (max 28VDC)
- 2 Battery 9V lithium
- 3▲ External Power low current (max 14.5VDC)
- 4 Batteries (2) AA 3.6V Lithium Parallel
- 5 External Power with 4-20 mA Input
- 6 Batteries (2) AA Alkaline Series

B. Analog Output

Analog

- 0▲ RS-485 output
- 1 4-20 mA & RS-485
- 2 0-3 VDC & RS-485

C. Relays

- 0▲ No Relays
- 1 2 Telecom NO Latching Relays
- 2 Relay 1 (controls on/off for a slave sensor)
- 3 1 Telecom SPDT Latching Relay
- 4 2 Telecom NC Latching Relays

D. Enclosure

- 0▲ 3" Round Plastic Housing
- 2 3" Aluminum (1/2" NPT cable entry)
- 3 4" Aluminum (3/4" NPT cable entry)

E. Mounting/Cover

- 0▲ Standard Mounting
- 1 Rubber Boot
- 2 Standoff Bracket (Aluminum Black Anodized)
- 4 Panel Mount Bracket (Black Delrin)
- 5 Flat Mount Bracket (Black Acrylic 3/16")
- 6 Flat Mount Bracket (Black Acrylic 3/16") + Rubber Boot installed

F. Main Connection Location

- 1▲ Position 1
- 2 Position 2
- 3 Position 3

G. Main Cable / Connector (select one option)

- C Cable with flying leads, in feet (ex. C100 = 100 feet, avail. in 5 ft increments)
- M Cable in feet with connector (select from Connector Table below) (ex. M5C5 = 4 pin M12 Female connector with 5 feet of cable, cable avail. in 5 ft increments)
- Connector only (select from Connector Table below)

Connector Table

- | | |
|----------------------------|-------------------|
| <input type="checkbox"/> 1 | 6 pin Tajimi Male |
| <input type="checkbox"/> 2 | 4 pin M12 Male |
| <input type="checkbox"/> 3 | 5 pin M12 Male |
| <input type="checkbox"/> 4 | 8 pin M12 Male |
| <input type="checkbox"/> 5 | 4 pin M12 Female |
| <input type="checkbox"/> 6 | 8 pin M12 Female |

H. Backlight

- 0▲ No Backlight
- 1 Backlight (decreases battery life)

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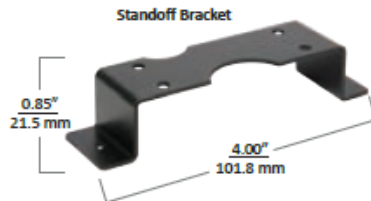
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MND Accessories

Mounting Bracket Options



Please order separately, by part number:

Description	Part Number
Panel mount bracket	512599
Standof bracket	512597
Flat Mount bracket	110542-0002
Rubber Boot	512626
4 Pin female micro connector (M12) Field Wireable	509087
4 Pin female micro connector (M12) with cable	134507-0002
4 Pin female micro connector (M12) with cable	135407-0005
4 Pin female micro connector (M12) with cable	135407-0010
4 Pin female micro connector (M12) with cable	135407-0030
4 Pin Male and Female 10 meter patch cable	135407-3010
4 Pin Male and Female 20 meter patch cable	135407-3020
4 Pin Male and Female 30 meter patch cable	135300-3030

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