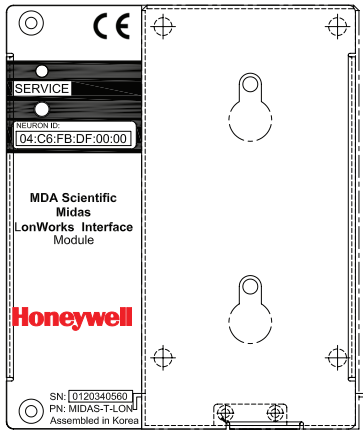


Quick Start Guide



Midas® Gas Detector LonWorks® Interface Module

Honeywell

1. Introduction

The Midas® LonWorks® interface module is installed behind the standard Midas® gas detector as shown in Figure 1. Power and data connections are supplied directly to the LonWorks® interface module. All power and communication to the Midas® unit is provided via the LonWorks® interface.

See reverse side for mounting information

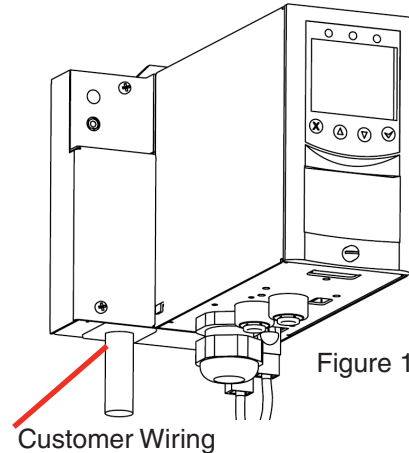


Figure 1

Customer Wiring

2. Mounting the Interface

- Unscrew LonWorks® interface top plate.
- Mount the interface and tighten screws. See mounting template on reverse side.
- Connect 24V DC power and LonWorks® wires to the pluggable connectors. See wiring diagram on reverse side.
- Clamp the cables in the supplied gland as shown in Figure 2. A spare gland is included.
- Reinstall top plate on the interface.

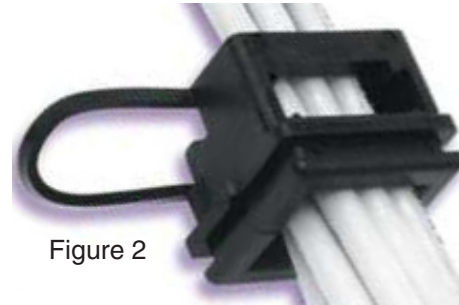



Figure 2

3. Mounting the Midas®



- Loosen thumbscrew on front of Midas®.
 - Remove unit cover.
 - Loosen two screws on bottom front of chassis.
 - Separate main chassis from mounting bracket assembly.
 - Mount the Midas® mounting bracket assembly onto the LonWorks® interface.
 - Tighten screws.
 - Align the PCB at the top rear of the main chassis with the connector located at the top of the mounting bracket assembly.
 - Slide the main chassis backwards on the mounting bracket assembly so that the PCB and connector and tubes engage simultaneously.
- WARNING: DO NOT PUSH ON THE LCD AS THIS MAY CAUSE DAMAGE.**
- Tighten the screws to secure the main chassis to the mounting bracket assembly.

4. Cabling the Interface

-  Gently pry the clear locking tab outside of the yellow jacket on both ends of the cable as shown.

Ensure yellow jacket has not moved out of position when inserting to the Midas® or LON Module connectors (clear tab is to rest on top of the yellow jacket bubble).

Caution: Do not over-extend the tab as damage may result.

-  Bend the cable into 1½ loops as shown. The two connectors should be approximately 3 cm apart. This is to reduce torque on the installed connector.
-  Plug the cable into the Midas and the Interface as shown. Loosen the black plastic cable locker on the bottom of the Midas. Slide this clamp under the cable locking tab to prevent the tab from being depressed. Tighten the locker.

5. Install Cartridge

- Check the part number and type of sensor cartridge is correct.
- Check the “activate by” date.
- Remove sensor cartridge from packaging.
- Carefully push the sensor cartridge into the sensor cartridge chamber until fully seated.
- Lock the sensor cartridge in place using the tabs on both sides of the sensor cartridge.
- Confirm that the power switch in the mounting bracket assembly is in the ‘on’ position.
- Refit the unit cover by aligning the slots either side with the locating tabs on the mounting bracket assembly.
- Tighten the thumbscrew located on the front panel.
- Install the supplied RJ-45 cable between the Midas® and the LonWorks® interface.

6. Configuration

- Turn on 24 VDC power.
- Confirm that the Midas® initiates the power up sequence.
- Reset Fault F49 if present.
- Set alarm levels and other parameters as desired.
- Confirm that the Midas IP parameters are at default values. If changed, the DHCP client must be set to ‘n’. The IP address must be restored to 169.254.60.47 and the subnet mask must be restored to 255.255.255.0

For further details please refer to the Midas® operating manual MIDAS-A-001 and LonWorks® Tech Note 1998-0643.

A replacement shielded interconnect cable may be purchased separately. Order part number MIDAS-A-040.

LonWorks® is a registered trademark of Echelon Corporation.

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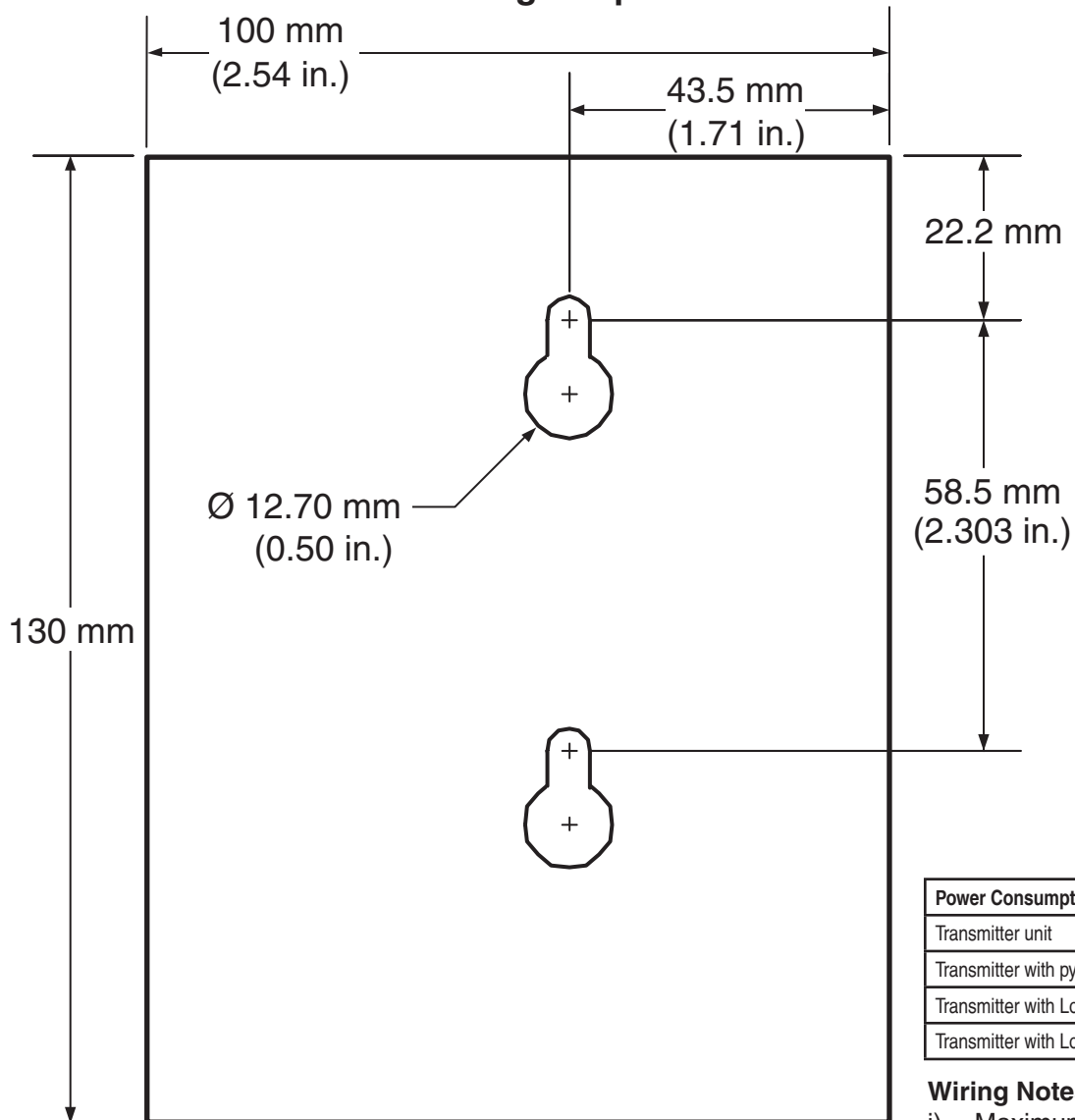
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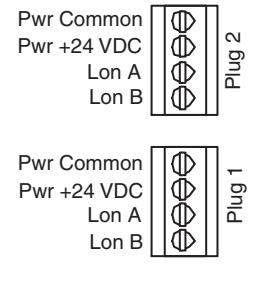
Part No. MIDAS-A-037
Issue 2 12.06
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Mounting Template



Clearance needed below Midas for tubing and cables.

Wiring Diagram



Power Consumption:	
Transmitter unit	< 5 W
Transmitter with pyrolyzer (std or HTP)	< 12.95 W
Transmitter with LonWorks Module	< 8 W
Transmitter with LonWorks and pyrolyzer	< 15.95 W

Wiring Notes:

- i) Maximum wire size is 1.5 mm (16AWG)
- ii) Input voltage range is 21.6 to 26.4 VDC.
- iii) It is mechanically possible to misalign Plug 1 and Plug 2. Care should be taken when inserting plug to assure correct alignment.
- iv) Plug 1 and Plug 2 are internally connected in parallel to facilitate wiring in bus topology.
- v) LonWorks FT-10 wiring is polarity-insensitive. Lon A and Lon B may be swapped.

Note:

The Midas® LonWorks® interface draws approx 1.7 amps for approx 100 mS after power is applied. External equipment should be sized appropriately. Additionally, the Midas® requires the supplied power to rise to the minimum specification (21.6 VDC) within 500mS.

LonMark Object Diagram

See Tech Note 1998-0643 for details.

