

WARNING! Electrical shock hazard. Disconnect power when installing or servicing this equipment to prevent electrical shock or equipment damage.

Make all wiring connections in accordance with these instructions and in accordance with pertinent national and local electrical codes. Use only copper conductors that are suitable for 167 °F (75 °C).

Overview

The Local Control Interface 2 (LCI-2) is a backlit LCD touch screen interface and system configuration tool used to communicate with controllers over a LONWORKS network.

Table 1 Specifications

Specification	Definition
Power	28-36 Vdc, or 24 VAC +/- 10%, 50 to 60 Hz.
Battery	No battery required. User configuration data is stored in non-volatile memory (Flash).
Ethernet LAN support	One IEEE 802.3 (Ethernet) 10Mbps network adapter standard with RJ-45 jack for 10BaseT.
EIA-232	One RJ-11 socket for direct connection to the LCI-2.
SD card socket	One SD card socket to backup and restore user configuration data.
Memory	16 Mbyte Flash, 32 Mbyte SDRAM.
Maximum dimensions	8.94" (227mm) x 8.58" (218mm) x 2.36" (60mm).
Environmental	32-113° F (0 - 45°C). 0-80% RH, non-condensing.
Ratings	Listed Underwriters Laboratory for Open Energy Management Equipment (PAZX) under the UL Standard for Safety 916.

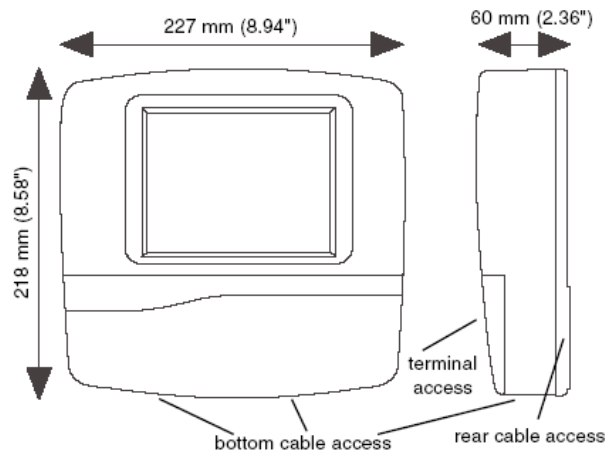


Figure 1 Dimensions

Mounting

The LCI-2 can be either 3-point mounted (on a wall) or 4-point mounted (on a panel).

The 3-point method uses M4, 5, 6 or No. 10 or 12 screws. A ramped keyhole slot in the top back center of the unit slips over a screw head and as the unit is lowered the unit clamps onto the wall creating a seal around the rear aperture. Then, the two lower fixing holes can be used to spot their fixing positions.

The 4-point method uses 4 off M4 x 16 mm screws with a maximum panel thickness of 10 mm.

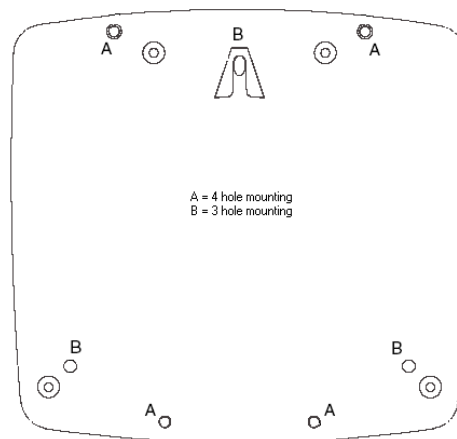


Figure 2 Mounting

Power

The LCI-2 requires 24 Vac, 50/60 Hz, or 28 to 36 Vdc. The maximum consumption is 24 VA. Use a separate power source—do not use a controller’s auxiliary supply output.

Note You must ground the LCI-2 using a supply earth terminal.

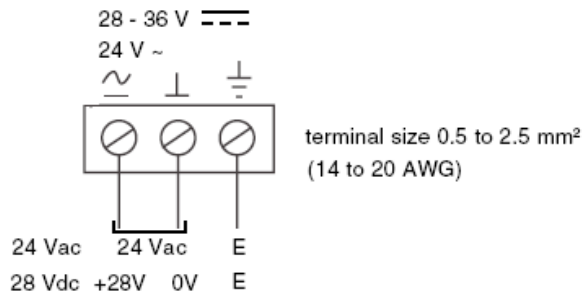


Figure 3 Power

Grounding

The COM pin must be securely connected to earth ground. Failure to properly ground increases the risk of electrical shock and the possibility of interference to radio/TV reception.

Connections

The LCI-2 functions as part of a LONWORKS Network using the integral FTT-10 Free Topology communications transceiver. Connections are on the bottom of the LCI-2.

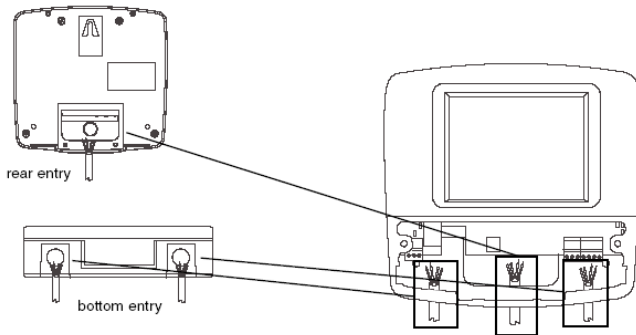


Figure 4 Routing cables

EIA-232

The LCI-2 uses an RJ-11 jack for direct connection. Plug the EIA-232 connector into the receptacle on the bottom of the LCI-2.

Modem

You can attach a modem or a broadband connection to an LCI-2. Plug the connector into the receptacle on the bottom of the LCI-2.

Ethernet (LAN)

The LCI-2 uses a standard RJ-45 jack for connection to 10BaseT or 100Base TX (10/100Mb) Ethernet. Plug the LAN connector into the RJ-45 receptacle on the bottom of the LCI-2.

Network (LON)

The LCI-2 requires twisted pair network wire. When connecting the FTT-10A network to connector, connect the twisted pair to pins NB and NA. These positions are Network B and Network A respectively. Polarity is not an issue since an FTT-10A network is used for communications.

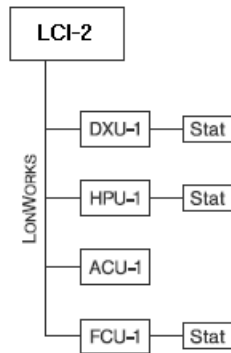


Figure 5 Simple architecture