LCI2 Local Control Interface

SUPERSEDES: November 12, 2010   EFFECTIVE: June 11, 2012

Job: _____   Engineer: _____

Contractor: _____   Rep: _____

Date: _____   Tag/Item #: _____

LCI2

The Local Control Interface 2 (LCI2) is the master controller for the iWorx® product series. In one single device, it provides an integrated control center for all the HVAC controls, radiant controls, and metering on a network. It has a touch screen for on site configuration and can be remotely accessed and configured over the Internet as well.

OVERVIEW

The LCI2 is a backlit LCD touch screen interface and system configuration tool used to communicate with controllers over a LONWORKS ® network. All controllers can be completely configured and commissioned through the operator interface.

The LCI2 fully integrates the HVAC iWorx® system. The LCI2 enables an administrator to add and configure devices on the iWorx® system and then send the information to the devices over the LONWORKS network. The entire iWorx® system can be commissioned and modified using the LCI2 touch screen interface.

The LCI2 software runs within a Windows CE.net operating system and is fully upgradable.

Features

- Color touch screen interface for navigation and input
- Self-configuring upon connection to the network
- Configurable user interface options
- View and configure up to 63 controllers
- Administrator and user level access
- Password protection
- Ethernet communications for PC-based configuration
- User configuration data is stored in non-volatile memory (Flash)
- Two-part connectors to facilitate installation

SPECIFICATIONS

Electrical

Power

Power Requirements
- 28 to 36 Vdc, or 24 Vac +/- 10%, 50 to 60 Hz (requires a class 2 external supply)

Power Consumption
- 13 VA

Fusing
- Input supply is protected by a 1.6 A self-resetting electronic circuit breaker.

Battery
- 3V Lithium for SRAM Backup

Display
- 256 color LCD display (320 x 240 pixels) with touch screen and digital contrast.

Backlight
- Electroluminescent (CCFL) with auto-dimming feature. Life of 50 Khrs at 20 °C (68 °F).

Ethernet
- One RJ45 connector, unshielded or shielded twisted pair (UTP or FTP) cable.

Recommended Sensor Wire

Cable Type	Pairs	Details	Taco Catalog No.
18AWG	1	Stranded Twisted Shielded Pair, Plenum	WIR-018

FTT-10A Network

- Speed: 78KBPS
- Cabling: Maximum node-to-node distance: 1312 feet (400 meters)
- Maximum total distance: 1640 feet (500 meters)

Cable Type	Pairs	Details	Taco Catalog No.
Level 4 22AWG (0.65mm)	1	Unshielded, Plenum, U.L. Type CMP	WIR-022

For detailed specifications, refer to the *FTT-10A Free-Topology Transceiver User's Guide* published by Echelon Corporation (www.echelon.com/support/documentation/manuals/transceivers).

Mechanical

Housing
- Dimensions: 8.94" (227mm) x 8.58" (218mm) x 2.36" (60mm).
- Weight: 1lb 5 oz. (.6 kg)
- ABS

Environmental
- Temperature: 32 to 113 degrees F (0 to 45 degrees C)
- Humidity: 0 to 80 percent, non-condensing

Agency Listings
- UL Listed for US and Canada, Energy Management Equipment PAZX and PAZX7

Agency Compliances
- FCC Part 15

CONTROLS MADE EASY®

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