

## LCI3 Local Control Interface

SUPERSEDES: New

EFFECTIVE: October 16, 2014

Plant ID: A-001-4057

Job: \_\_\_\_\_ Engineer: \_\_\_\_\_

Contractor: \_\_\_\_\_ Rep: \_\_\_\_\_

Date: \_\_\_\_\_ Tag/Item #: \_\_\_\_\_

### LCI3

The Local Control Interface 3 (LCI3) is the master controller for the iWorx<sup>®</sup> 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 LCI3 is a backlit LCD touch screen interface and system configuration tool used to communicate with controllers over a LONWORKS<sup>®</sup> network. All controllers can be completely configured and commissioned through the operator interface.

The LCI3 fully integrates the HVAC iWorx<sup>®</sup> system. The LCI3 enables an administrator to add and configure devices on the iWorx<sup>®</sup> system and then send the information to the devices over the LONWORKS network. The entire iWorx<sup>®</sup> system can be commissioned and modified using the LCI3.

The LCI3 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 remote access
- User configuration data is stored in non-volatile memory (Flash)
- Two-part connectors to facilitate installation
- Trending
- Data logging
- Database maintenance

### 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.

**FTT-10A Network**

- Speed: 78KBPS
- 42.4 Volts DC max
- 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](http://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®**

**Taco Electronic Solutions, Inc.**, 1160 Cranston Street, Cranston, RI 02920  
Telephone: (401) 942-8000 FAX: (401) 942-2360.

**Taco (Canada), Ltd.**, 8450 Lawson Road, Unit #3, Milton, Ontario L9T 0J8.  
Telephone: 905/564-9422. FAX: 905/564-9436.

**Taco Electronic Solutions, Inc. is a subsidiary of Taco, Inc.**

Visit our web site at: <http://www.taco-hvac.com>