



LDX LONWORKS® LOCAL USER INTERFACE

The LDX Local User Interface provides cost-effective, interoperable, distributed monitoring and control of other LONWORKS® networked devices through a simple user interface. The flush mounted user interface has optional bezel materials and colours, which enables this display to fit into most architects designs.

Applications

The LDX is well suited to the domestic, retail, commercial and hotel markets, and can be adapted to suit any LONWORKS® application that may require a local user interface to allow local monitoring and / or control. Some typical applications include:

- **Domestic** - Control / monitoring of any LONWORKS® devices such as lighting, heating, air-conditioning, metering, domestic appliances, etc.
- **Retail** - As an information system between the landlord and tenants. Control / monitoring of temperature, security and utility meters.
- **Commercial** - Simple user interface to allow local control of environmental conditions.
- **Leisure** - Control of air-conditioning system and/or any other guest control / information requirement in hotel rooms.

LDX-10 General Application User Interface

This user interface incorporates a real-time clock, scheduling capability and local display, all in one device. Simple 'Menu', 'Arrow' and 'Enter' keys are used to navigate the functions available through the two-line LCD display.

The product can be shipped with a standard time clock and scheduling application or alternatively customized code can be written using Neuron C to meet application requirements. The flexibility of the LDX User Interface allows it to be applied to a wide variety of LONWORKS applications.

Simple configuration through LNS™ Plug-in

The LONWORKS® LNS Plug-in is compatible with the LDX range of user interfaces. It provides installers with a simple wizard that will dramatically reduce the engineering time currently required to configure most display applications. The plug-in allows you to select which points on the LONWORKS network you wish to display and/or control, based on application requirements.



Features

- LONWORKS® User Interface with Real-time clock
- 2 line 16 character alphanumeric LCD display
- General purpose or temperature control versions
- On board inputs/outputs
- Scheduling capability
- Programmable status LED
- Data retention on power loss
- Custom configuration through LNS™ Plug-in
- Customised menu's developed with Neuron C



LDX-20 Temperature Control User Interface

This product allows local user control of HVAC terminal equipment applications such as fan coils, chilled ceilings, heat pumps and room air-conditioning units. This intuitive user interface ensures that the user can simply adjust the environmental conditions without prior knowledge or training on the interface. Pre-defined menu structures ensure commissioning time is kept to a minimum.



Some of the typical parameters that the user is likely to want to view/change at a local level include:

- ▼ **View**
 - On/Off mode
 - Current space temperature
 - Space temperature set-point
 - Time / Time Schedules
- ▼ **Change**
 - On/Off mode
 - Space temperature set-point
 - Fan speed / Overrides
 - Time Schedules

Specification



LDX-10/20 LOCAL USER INTERFACE

- Processor ➤ Neuron 3150 10MHz
- Memory ➤ 64K Flash Memory / 8K EEPROM
- Transceiver Type ➤ FTT-10A with blocking capacitors for LPT-10 compatibility
- Service Pin Function ➤ Hidden service switch and LED
- Power Supply ➤ 24V DC
- Inputs / Outputs ➤ 1 x Digital Input
- 2 x Digital Relay Outputs rated at 24V/3A
- Dallas 1-Wire® Bus
- Display ➤ 2 x 16 character LCD
- Clock ➤ Real Time, Battery Backed
- Expansion Bus ➤ I²C
- Mounting ➤ Galvanised metal back box supplied for recessing into wall
- Dimensions ➤ H96 x W122 x D36mm (including bezel)
- Terminals ➤ Screw Connectors
- Operating Temperature ➤ 0° to +50°C
- EMI ➤ CE / EN55022 / EN61000-4