



# Andover Continuum™ LD-1 Local Display Module

The Andover Continuum LD-1 Display Module provides a convenient, programmable interface to your Andover Continuum facility automation system. Authorized operators or tenants in your facility can easily arm or disarm a security zone, quickly view HVAC or security information and/or adjust personal comfort levels with little or no training.

The LD-1 Display Module includes a four-line, 16-character backlit LCD display, an audible beeper output, and a 19-button ergonomically-designed keypad, also backlit for easy data entry. With a touch of a finger, a user can scroll through building parameters such as temperatures or pressures, as well as view equipment status, change setpoints and schedules, or turn equipment on or off. The keys can be custom programmed using Andover's powerful programming language, Plain English®, to perform a wide variety of functions, including switching a specific zone to occupied mode, signaling an alarm condition, adjusting the amount of override time, and arming or disarming intruder alarm points, utilizing password security.

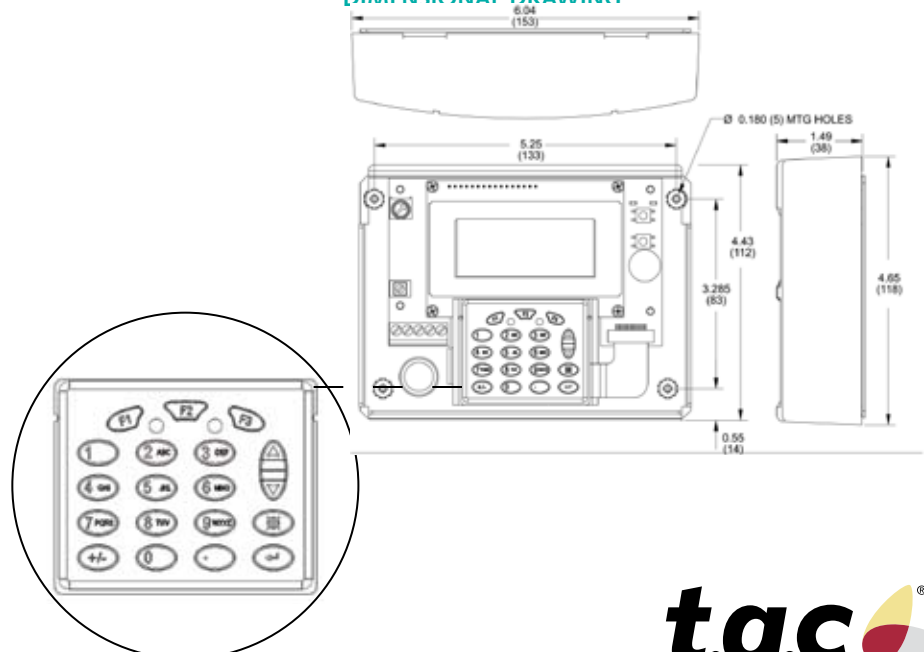
Cost-effective and compact, the LD-1 may be mounted directly on dry wall. An optional adapter plate kit is available to facilitate mounting directly on a standard electrical outlet box. The LD-1 is intended for indoor use only.

## COMPATIBILITY

The LD-1 Display Module interfaces to the Andover Continuum NetController via the ACC-LON network with a choice of FTT-10A or RS-485 physical media. The LD-1 can co-exist with any other Andover Continuum I/O modules; for example, the UI-8-10, DI-8, AO-4-8, etc. (up to a total of 32 modules per single NetController). Sharing one field bus reduces wiring costs while providing distributed user interfaces to your building's automation system.

- User-Friendly Keypad/Display Interface for Andover Continuum System
- Four-Line, 16-Character LCD Display with Backlighting
- Full, 19-Button Backlit Keypad Provides Easy Data Entry
- Fully Customizable Menus and Displays to Meet Any User's Requirements
- Audible Beeper Output
- Easy Installation & Wiring
- Powered with 12-24VDC; can be Powered Directly from Andover Continuum Power Supply
- Programmable Red and Green LED Indicators for Arm/Disarm or On/Off Applications

## DIMENSIONAL DRAWING



# SPECIFICATIONS

## LD-1 Local Display Module

### ELECTRICAL

#### Power

12-24 VDC, 3.0W max. (May be powered from a Andover Continuum Power Supply)

#### Overload Protection

Fused with 0.5A, 60 VRMS resettable pico fuse with transient voltage suppressor (TVS)

±2,000 V transients (tested according to EN6100-4-4, EN6100-4-5)

### GENERAL

#### Keypad Inputs

19 buttons, 4 x 4 matrix, including UP, DOWN, ENTER, and CANCEL; plus 3 additional function keys, all backlit

#### Display Outputs

4 x 16 LCD, backlit

#### Audible Beeper Output

Yes

#### LED Indicators

2: one Red, one Green, programmable operation

### MECHANICAL

#### Operating Environment

32°–120 °F (0–49°C), 0–95% RH (non-condensing)

#### Mounting

Mount on a vertical surface

#### Enclosure

Polymetric, UL-94V-0 Flame Rating, IP30

#### Dimensions

4.65" H x 6.04" W x 1.49" D  
(118 mm H x 153 mm W x 38 mm D)  
(outer dimensions of enclosure)

### COMMUNICATIONS

#### RS-485 Communications Speed

39k baud

#### Bus Length

2,000 ft. (610m)

#### Bus Media

Shielded, twisted pair cable. 120W termination required at both ends of the ACC-LON network (when modules are mounted remotely)

#### FTT-10A Communications Speed

78k baud

#### Bus Length

Up to 8858 ft. (2700m) – bus topology. Up to 1640 ft (500m) – free topology

Repeater required for longer distances.

#### Bus Media

Refer to FTT-10A documentation in Andover Continuum I/O System Reference Guide (P/N: 30-3001-4999-- Rev D or higher)

### CONNECTIONS

#### Wiring Connections

Five-position, screw terminal block  
Single-position ground connection

- 1: COMM A
- 2: COMM B
- 3: SHIELD
- 4: VDC Return
- 5: 12-24 VDC

### MODELS

LD-1 RS-485 media  
LD-1-FT FTT-10A media

### AGENCY LISTINGS

UL/CUL 916, FCC CFR47 Part 15, EN55022, AS/NZS 3548, Class A Emissions, CE

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