

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.



Andover Continuum LD-1 Local Display Module Features



PRODUCT AT A GLANCE

- 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

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 TAC's powerful programming language, Andover 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.

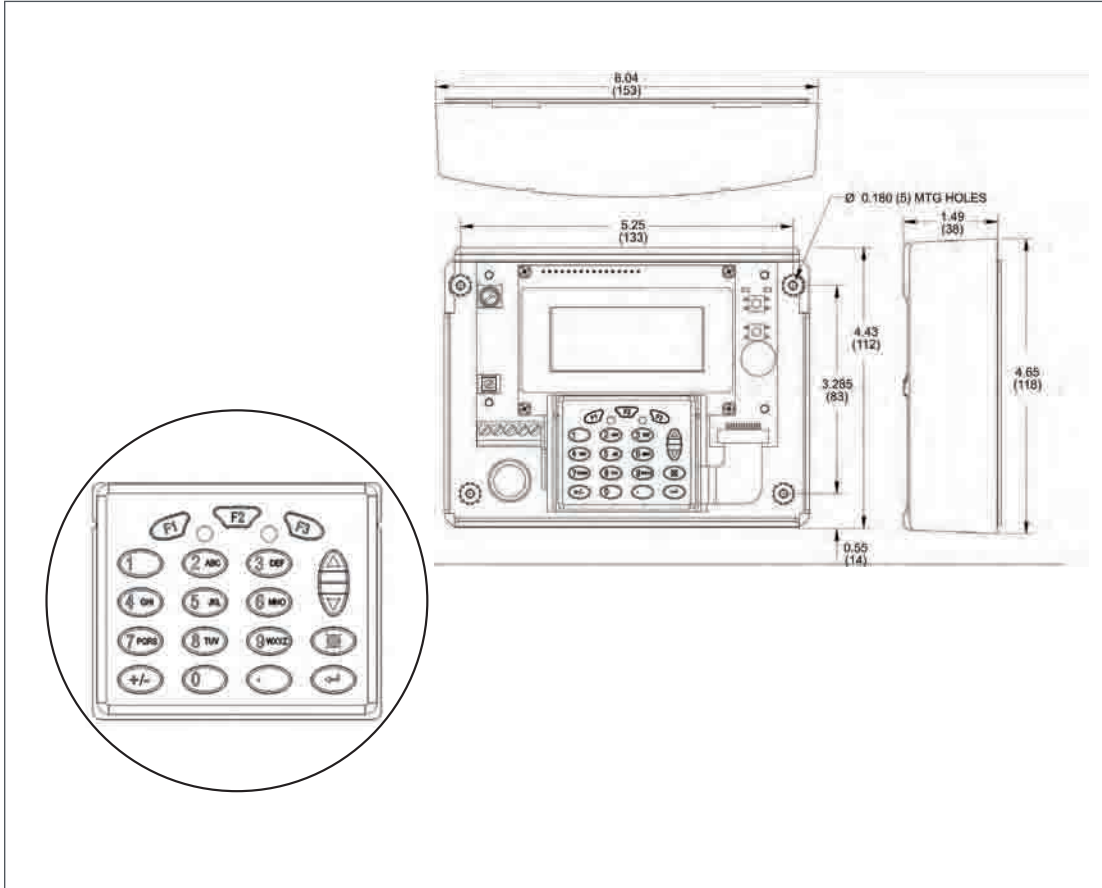
Cost-effective and compact, the LD-1 may be mounted directly on dry wall. An optional adapter plate kit is available to facilitate mounting directly on a standard electrical outlet box. The LD-1 is intended for indoor use only.

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.

Andover Continuum LD-1 Local Display Module Features (continued)

Dimensional Drawing



Andover Continuum LD-1 Local Display Module 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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On October 1st, 2009, TAC became the Buildings Business of its parent company Schneider Electric. This document reflects the visual identity of Schneider Electric, however there remains references to TAC as a corporate brand in the body copy. As each document is updated, the body copy will be changed to reflect appropriate corporate brand changes.

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