



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 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.

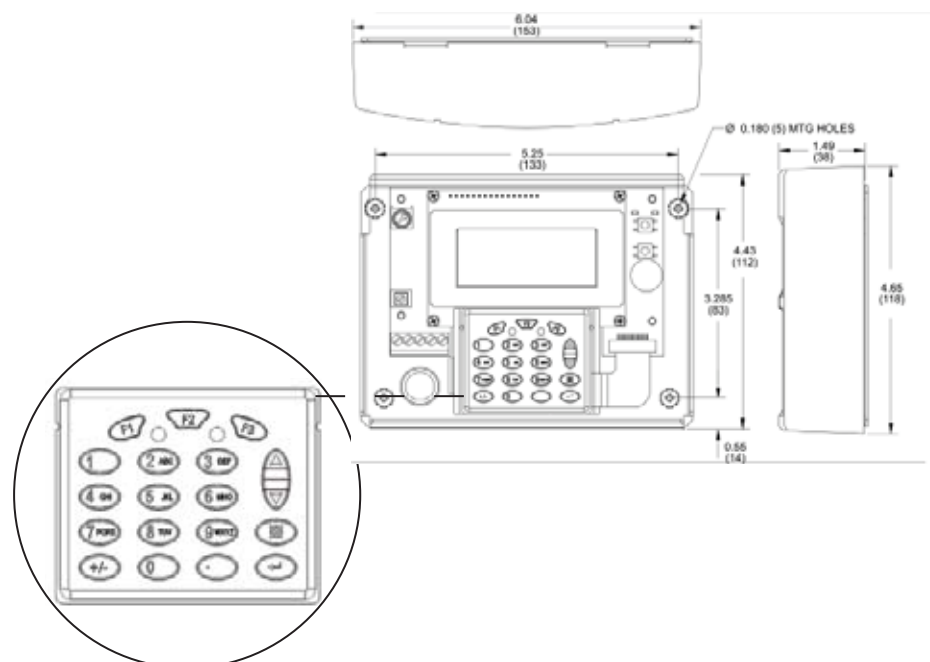
Cost-effective and compact, the LD-1 may be mounted directly on dry wall. An optional adapter plate kit is available to facilitate mounting directly on a standard electrical outlet box. The LD-1 is intended for indoor use only.

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.

- 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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