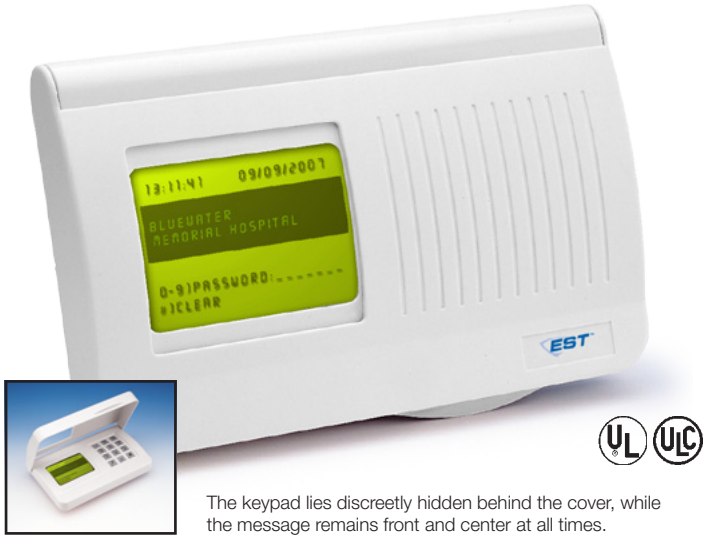
EST™
Life Safety & Communications

Keypad/Display
KPDISP



The keypad lies discreetly hidden behind the cover, while the message remains front and center at all times.

Overview

The KPDISP is a combination keypad and dot-matrix display designed for use with the EST3 integrated system. The unit features a large LCD display and telephone-style keypad housed in an attractive Cycoloy® case. A removable cover is provided to prevent accidental keypad activation and protect against dirt.

The KPDISP transmits and receives information from/to the 3-SAC Security Access Control module installed in the EST3 system. Communications between the KPDISP and the 3-SAC are supervised, providing the ultimate in reliability. Credential holder information is encrypted to provide an additional level of security. KPDISP data is stored in non-volatile memory. Power to the KPDISP is provided by the EST3, ensuring a reliable, supervised and backed-up power source.

The KPDISP supports bilingual operation, and can be programmed to automatically display the language of the user.

The display is backlit, and lights whenever a key is pushed. An automatic timer extinguishes the light after a brief delay. The keypad features tactile and audible feedback and is backlit at all times. To aid in locating the keypad in the dark, the back lighting is visible even with the cover closed.

Standard Features

- Listed for fire and security
- 128 x 64 backlit dot matrix LCD display
- Telephone style keypad with tactile & audible feedback
- Aesthetically pleasing design
- Removable protective cover
- 200 users and 9999 pin codes
- Supports bilingual operation
- Integral help function
- Menu driven
- Non-volatile memory
- Electronic addressing

DATA SHEET 85006-0046
Not to be used for installation purposes. Issue 5

Application

All operations are menu driven. The most common use of the KPDISP is arming and disarming security partitions. The KPDISP may be optionally configured to display on its LCD the primary partition's status, i.e.: whether it is armed or disarmed. This option provides an added measure of security in situations that warrant it. The display also permits a user to identify off-normal points and take corrective action. If the problems can't be corrected, the user can have the option to bypass a point before arming the system.

When used with EST3 and the 3-MODCOM, openings and closing may be sent automatically to a central monitoring station.

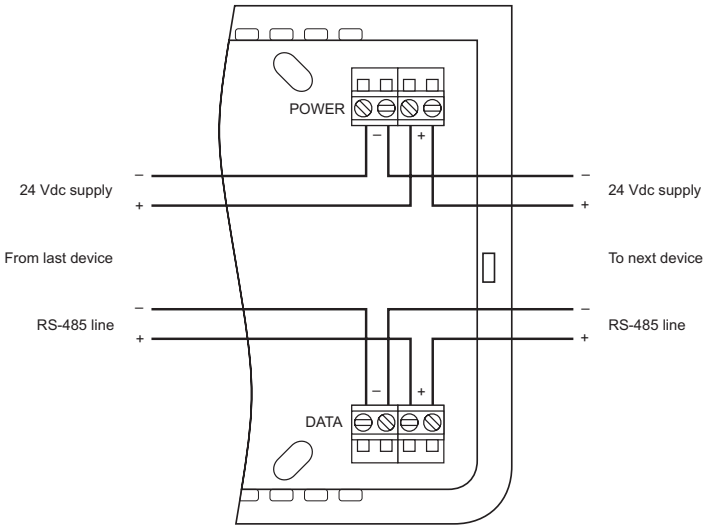
Each of up to 200 authorized users is assigned a pass code consisting of a unique three-digit number and a four-digit PIN number. Duplicate PINs are permitted by the KPDISP, so a user can pick a number that is easy for them to remember.

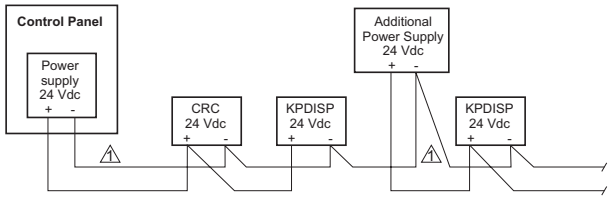
The KPDISP can also annunciate fire functions and be programmed to act as a full function fire annunciator. In the event of a problem, context-sensitive help is readily available using the HELP button.

Installation

The KPDISP is designed to facilitate installation in a wide variety of indoor applications. The unit can be mounted directly on a wall or using a 4" or 100mm square or 2-gang electrical box. To ensure reliability, terminal blocks are provided for all wiring. One pair carries data in and out of the unit, while the second pair provides power. These specially-designed terminal blocks provide unique features aimed at maintaining system operation during commissioning or servicing. Should a KPDISP be removed from its rear mounting plate, the terminals automatically provide continuity to downstream devices. This helps ensure continued communication with the control panel, despite the removal of a KPDISP from the communication wiring path. The unit features electronic addressing so there are no jumpers or switches to set in the unit.

Typical Wiring





⚠Minus common from control panel must be maintained.

Engineering Specification

The Security/Access Control user interface shall provide both display and keypad functions to indicate system status and arming/disarming the system. The unit shall support additional display functions such as fire/security annunciation. The display shall be capable of bi-lingual operation under the direction of the system controller and/or access control credential.

The unit shall feature a backlit 128 x 64 dot matrix LCD readout. The keypad shall provide both tactile and audible user feedback to facilitate entry of information. User entries shall be menu driven, and capable of executing system commands. A context sensitive help system shall be available to the user at any time.

All keypad/display addressing shall be electronic, jumpers or DIP switches shall not be considered as equivalent to electronic addressing. All data within the unit shall be stored in non-volatile memory to prevent data loss. The unit shall be constructed of a thermoplastic housing with integral (removable) cover, and be suitable for mounting directly on a finished wall or standard 4" square or 2-gang electrical boxes. All wiring terminations shall be to an integral terminal strip.

<It shall be possible to transmit openings and closing performed at the keypad to the central monitoring station>.

Specifications

Agency Listings	UL, ULC. See Note 1.
Circuit Configuration	Class A or Class B
Power Requirements	24 Vdc @ 38 mA
Wire Size	14 AWG (1.5mm²) - 22 AWG (0.25mm²)
Dimensions (HWD)	4 ¾" x 7 ¼" x 1 ¼" (12.7cm x 18.4cm x 3.2cm) - open height 8.72" (22.15cm)
Finish	White high-impact Cycoloy®
Communications	RS-485
Supported Languages	English, Spanish, French, Hebrew, Italian, Dutch, Polish, Russian, Turkish, Portuguese, Slovak
Operating Environment	0°C to 49°C Complete (32°F to 120°F) @ 0 to 93%RH, Non-condensing
Mounting	4" or 100mm square or 2-gang electrical boxes
Users	200 max. per KPDISP
Partitions Supported	255 max. per KPDISP

Note 1:
The EST3 is modularly listed under the following standards:
UL 864 categories: UOJZ, UOXX, UUKL and SYZV, UL 294 category ALVY, UL 609 category AOTX, UL 636 category ANET, UL 1076 category APOU, UL 365 category APAW, UL 1610 category AMCX, UL 1635 category AMCX ULC-S527, ULC-S301, ULC-S302, ULC-S303, ULC-S306, ULC/ORD-C1076, ULC/ORD-C693. Please refer to EST3 Installation and Service Manual for complete system requirements.

Ordering Information

Catalog Number	Description	Shipping Wt., lb (kg)
KPDISP	Keypad Display	1 (0.45)
KPDISP-CF	Configuration Software CD ROM	

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