

Microprocessor-controlled Digital Keypad

Description

The CL-8 is a self-contained, highly versatile microprocessor-controlled digital keypad for access control and/or remote control applications.

Operating from an AC or DC supply, the purpose of the CL-8 is to keep unauthorized people off restricted premises, while permitting authorized personnel to enter. When any one of the correct access codes is keyed-in and identified by the internal microprocessor, it energizes a built-in high-power relay which unlocks the door or performs a desired switching function.

Unlike older systems which respond to a single code, the CL-8 responds to 56 individual access codes - each assigned to an authorized user or group of users. Each code may be periodically changed or cancelled by a simple, straightforward programming sequence. Data is entered into the EEPROM via the keyboard, but programming can only be carried out by "master code" holders. Electrical power failures do not affect the stored data which is retained during power loss.

The CL-8 cannot be defeated by unauthorized entry of random codes, since a penalty timer locks out the keypad for 30 seconds after three consecutive inputs of erroneous codes. An ambush digit may be programmed and entered as a suffix to the code if the door has to be opened under duress.

A special request-to-exit input is provided for opening the door from inside without a code, thereby permitting exit from the protected area.



CL-8

Features

- Highly versatile - answers virtually every security need
- Self-contained, suitable for flush and surface mounting; surface mounting box included
- Fully programmable on site by use of its own keypad
- EEPROM stores data, unaffected by power-line failures
- More than 100 million code combinations
- Up to 56 different one to eight-digit user codes can be programmed
- User codes may be cancelled individually

Additional Features

- User codes are programmable to operate the relay, or the auxiliary output, or both
- Programmable relay contact closure duration; momentary (1-98 sec) or toggle (latch) mode may be selected, if required
- Heavy duty relay contacts: 10A/28 VAC or DC
- "Panic" output, triggered by pressing the [#] and [*] keys simultaneously
- Three built-in LED indicators: green to indicate keypad functions; yellow and red available for optional user-defined applications
- "Request-to-exit" input operates the relay from a remote switch, PIR, etc
- Auxiliary open-collector output with seven powerful programmable operating modes
- An "ambush" digit, if entered after the last user-code digit, sends a one-second pulse to the panic output port

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Specifications

Code composition: 1 to 8 digits, any combination

Keypad type: 12 keys, 3 x 4, tactile operation

Operating Voltage: 9-16 or 22-26 V AC/DC

Current drain @12VDC

Stand-by-state: 15 mA

Relay and auxiliary output active: 55 mA

Power failure immunity: EEPROM retains all programmed data even during total power loss

Relay contact ratings: 10 A, 28 V AC or DC

Relay control: Programmable for contact closure duration of 1-98 sec, or for toggle (latch) mode

Auxiliary and panic output current sinking capability: Up to 100 mA (protected by 18 ohm series resistor)

LEDs: Green provides status information, red and yellow have 1 k series resistors and terminals for external connections

Operating temperature:

CL-8: 0°C to 65°C (32°F to 150°F)

CL-8A: -20°C to 65°C (-4°F to 150°F)

Dimensions: (W X H X D): 11.8 X 7.2 X 3.3 cm (4-5/8 x 2-3/16 x 1-3/8")

Models Available:

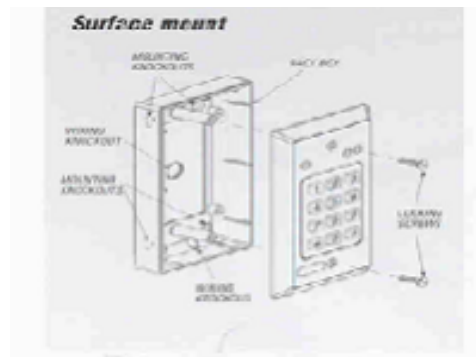
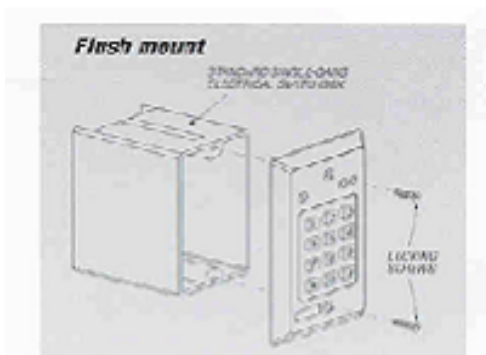
CL-8: Standard model

CL-8A: Low temperature

CL-8T: With Tamper switch

CL-8AT: Low temperature with Tamper switch

Mounting



Ordering Information

Product Name Cat. No.
CL-8 3-6206-0

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