

Outdoor/Indoor Access Control Keypad

Description

The CL-80 is a stand-alone digital keypad for access control applications. This unit is weather-resistant (IP54) for outdoor / indoor use. It activates a built-in, high-powered relay and operates from a 12/24 V AC or DC power supply.

The CL-80 permits up to 56 individual access codes. Authorized users can be assigned specific codes for use in access control applications such as electrical switching and arming/disarming alarm systems. Unauthorized entry is prevented by a penalty timer that locks the keypad for 30 seconds after three consecutive invalid code entries. A special request-to-exit input is provided, so that the door can be opened from the inside of the protected area without a code.

In addition to access control, the CL-80 can be integrated with an alarm system for enhanced security.

The tamper switch output can trigger the alarm system, if an attempt is made to open or remove the unit from the wall. An ambush digit may be programmed and entered as a suffix to the code. The panic output can activate the alarm in case of panic or under duress. By assigning a special code, an auxiliary output can be used to either arm or disarm the alarm system or to activate an alarm or any other applicable system.

Data is entered into the EEPROM from the keypad, but programming can be carried out only by the "master code" holders. Power failures do not affect stored data.



CL-80

Features

- Suitable for outdoor and indoor use
- Weather-resistant, in accordance with IP54
- Highly versatile single-door, stand-alone for virtually every need
- Integrates with a variety of alarm systems
- Tamper output guards against opening unit / removal of unit from wall
- Fully programmable directly from keypad
- Up to 56 different, one to eight-digit user access codes
- More than 100 million possible code combinations
- EEPROM stores data, unaffected by power failure
- Lockout option, designed to defeat code breakers

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 - selectable

Current drain

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: -20°C to 65°C (-4°F to 149°F)

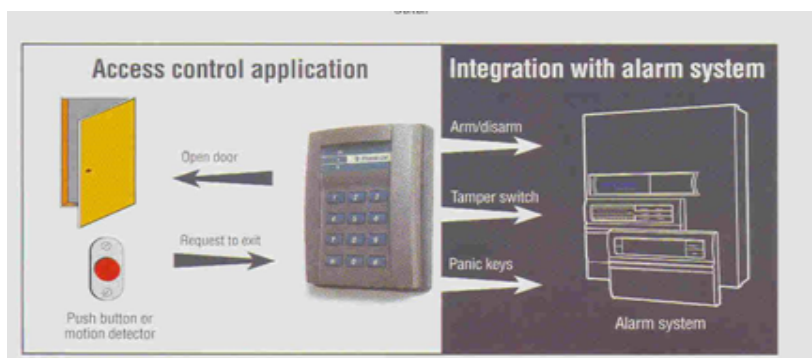
Index of Protection: Meets IEC529:1989 requirements for IP54 (protection against dust and sprinkled water)

Dimensions: (W X H X D): 8.2 X 12.2 X 3.1 cm (3-1/2 x 4-13/16 x 1-1/4 in)

Weight: 200 g (7.14 oz) including rubber gasket

Tamper Switch: The dual function tamper switch is designed to detect attempts to open unit, or remove it from wall

Application



Ordering Information

Product Name
CL-80

Cat. No.
3-6217-0

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