

Anti-Vandal, Access Control Keypad

Description

The CL-83 is a digital programmable access control keypad. CL-83M is a similar keypad - mullion type. Each system includes an outdoor, rugged, vandal resistant keypad and an indoor sophisticated microprocessor-controlled keypad.

The system users have 56 individual programmed digital codes (each code includes 1-8 digits), that they must key on the outdoor / indoor keypads, to unlock electrically controlled doors or barriers. More than 100 million code combinations are possible. A penalty timer locks out the keypad for 30 seconds after entering three consecutive erroneous codes. User codes may be individually deleted.

The system has programmable AUXILIARY open-collector output with seven powerful operating modes. Each user code can be programmed to operate the internal RELAY, the AUXILIARY output, or BOTH.

An ambush digit, if entered after the last digit of the user code, causes a one-second pulse of the PANIC output, used to send a message to the security personnel if the user is forced to disarm the system under violence or menace.



Features

Indoor Keypad & Control Unit Features

- Functions as the "brain" of the access control system
- Includes 12 push-buttons, 3 LEDs and buzzer
- Designed to accept data from both its own keys and from the outdoor keypad
- Suitable for flush and surface mounting (supplied with a surface mounting box)
- Includes a 10A relay, that activates the door strike or performs any desired switching function
- Programmable on site by use of its own keyboard
- Non-volatile EEPROM stores programmable data, unaffected by power failure
- Programmable relay contact closure duration; toggle (latch/unlatch) mode may be selected if required
- PANIC output is triggered by pressing the # and * keys simultaneously, on the indoor or outdoor keypad
- REQUEST TO EXIT remote input trips the relay with a remote switch or detector
- Tamper switch option available

Outdoor Keypad Features

- Rugged, water and vandal resistant keypad
- Includes 12 push-buttons and 2 LEDs
- All the functions that can be performed by using the indoor keypad push-buttons can be done also by the outdoor keypad push-buttons
- Tamper protected
- Suitable for surface mounting
- Power is received from the indoor keypad
- Auxiliary open-collector output with seven powerful programmable operating modes
- Environmental protection: IP68



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Specifications

Indoor Keypad & Control Unit (CL-8A EXT)

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 - selected with jumper

Current drain: 15mA in the standby state, 55mA with relay and AUXILIARY output active

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

Relay contact ratings: 10 A, 30 V AC or DC

Relay control: Programmable for 1-98 seconds pull-in duration, or for toggle (latching/unlatching) mode

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

LEDs: Green provides keypad 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): 118 X 72 X 33 mm (4-5/8 x 2-3/16 x 1-3/8 in)

Weight: 122g (4.3 oz)

Compliance with Standards: CE

Outdoor Keypad (CL-83, CL-83M)

Housing Material: Aluminium 6061 T6

Number of Keys: 12 (CL-83: 3x4 matrix, CL-83M: 2x6 matrix)

Number of LEDs: 1 green, 1 red

Operating Voltage: Supplied from CL-8A EXT keypad

Operating and Storage Temperatures: -40°C to 125°C (-40°F to 257°F)

Dimensions: (W X H X D):

CL-83: 130 X 81 X 19 mm (5-1/8 x 3-3/32 x 3/4 in)

CL-83M: 180 X 44 X 21 mm (7-1/8 x 1-3/4 x 27/32 in)

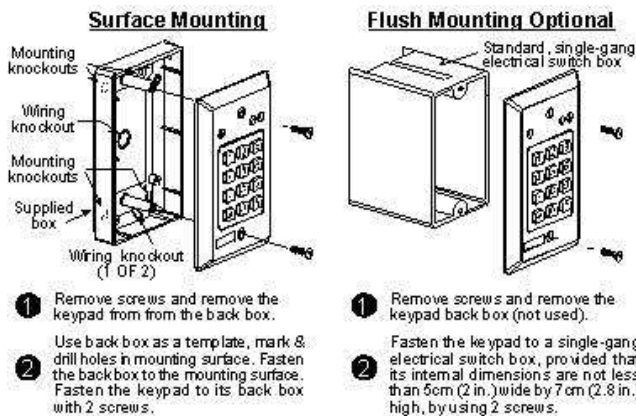
Weight: CL-83: 290g (10 oz) CL-83M: 310g (10.9 oz)

Compliance with Standards: CE

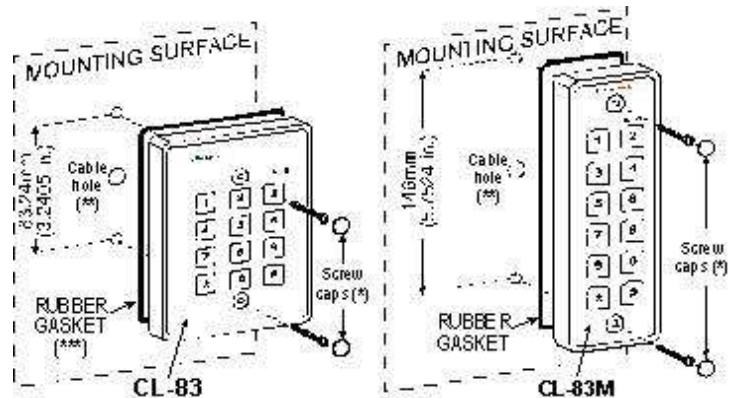
Environmental Protection: Waterproof and dustproof (IP68)

Mounting

Indoor Keypad Mounting



Outdoor Keypad Mounting



The CL-83M is designed for installation on a door frame.

Ordering Information

Product Name Cat. No.
CL-83, CL-83M 3-6218-0

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