



## 180-10 “PIN-Lock” Keypad 180-20 “PIN-Lock Plus” Keypad

### Overview

The 180-10 and 180-20 keypads provide simple yet flexible access control of a single door.

The “out of the box” default settings make installation and operation simple. For more complex requirements, the unit has a set of programming functions that make the keypad highly configurable.

Each PIN can be configured to operate any combination of the 3 outputs, allowing different people to control different functions.

Outputs can be programmed to operate as a Switch (for the door strike), CCTV trigger (operates as soon as any key is pressed) or Alarm (tamper, forced door, door left open and lockout). Outputs can be set to toggle or pulse.

The programmable Lockout function disables the keypad after a number of successive wrong PINs to prevent hacking of the keypad.

An Inhibit input can be used to disable selected users whenever the Inhibit input is low.

The 180-20 keypad is more advanced and has a real-time clock, memory to log transactions and a serial port for connection to a computer. Programming and logging of activities can be done with the PIN-Lock software. This model also allows individual PINs to have a date or count expiry making them ideal for any application limiting the number or period of access.



### Specifications (both models)

- Power requirements: 12-24 V AC/DC. 60mA
- Stores 800 individual PINs (up to 10 digits long).
- Each PIN can operate a different group of outputs
- Programmable from the keypad
- 3 LEDs and Sounder
- 12 Digit Keypad (3 x 4)
- Operate in PIN only or Address + PIN mode
- 3 Outputs - functions configurable: Switch, CCTV, Alarm
  - Output 1 - Relay: contact ratings: 10A/125VAC or 6A/250VAC or 6A/ 28VDC
  - Output 2 & 3 Open Collector NPN transistors: rated 50mA @ 30VDC
- Outputs - toggle or pulse (1 to 60 sec.)
- 2 Inputs - function configurable: Door sensing, exit push button, alarm reset, external inhibit.
- Tamper switch
- Protection rating: IP50
- High impact Polycarbonate
- Size: 70mm x 128mm x 41mm
- Weight: 250g

### Extra features (180-20 only)

- Battery backed real-time-clock
- Memory to store 4000 transactions with date and time.
- RS-232 connection to PC.
- Includes Windows-based PC software for programming and downloading transactions.