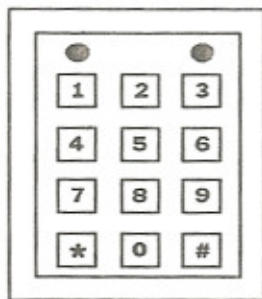


CODE 80 V2

SINGLE DOOR ACCESS CONTROL KEYPAD

Software V3.0

Designed & Manufactured in Australia exclusively for Direct Alarm Supplies



FEATURES

- * 80 (4 digit) User codes
- * Relay output for door strikes up to 1 Amp
- * Two Auxiliary outputs
- * Manual Release input (Request to exit)
- * Tamper switch
- * Fully keypad programmable
- * Watchdog Timer with last state memory
- * Audible keypress and indications
- * Code tamper facility
- * Panic button facility
- * Low standby current (6mA)
- * 7 options available for each code
- * EEPROM memory

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OPERATION

Normal Operation 4 digit code + # Valid code = 3 beeps, Invalid code = 1 long beep
Codepad will then activate which ever outputs the code is programmed for.

To activate Permanent Release facility 4 digit code + * + #

To activate Auxiliary 1 output as a panic button Press any two outside column keys
simultaneously and hold for 1 second minimum.

To enter program mode * + 4 digit code + # (Code must have master access). Codepad
will give 2 beeps and Green LED will light.

To exit program mode and store changes press # on completion of programming.
Codepad will give 2 beeps and Green LED will extinguish.

To exit program mode without storing changes press * . This may be done at any time in
programming. Any entries made will be ignored with one exception. When a code is deleted
it is immediate and not on exit from programming.

After 3 incorrect code entries the codepad will LOCK OUT for 45 seconds and Aux 1
output will activate for 2 seconds. The beeper will sound for the 45 second period after which
the codepad will resume normal operation.

PROGRAMMING

Users with the Master option ON may enter program mode by pressing * Code #. The
codepad will beep twice and the Green LED will light. The factory default settings are:
User 00 code is 2900. This code has master access, Relay access and Aux 2 access . Both
Aux 2 and the relay are set for timed operation of 5 seconds. When entering codes it is
advisable to list the codes and options as this will make programming much simpler.

ADDING OR MODIFYING A USER

- * After entering program mode (Green LED ON) Press '1'
- * 3 beeps
- * Enter User number (00-79) this must be 2 digits.eg: User 5 = '05'
- * 3 beeps.
- * Now enter the 4 digit code for this user.
- * 3 beeps.
- * You must now enter the options for this user code. Enter a '1' or '0' where '1' is ON and '0' is OFF.
- * Relay Access 1=ON 0=OFF
- * 2 beeps
- * Auxiliary 2 1=ON 0=OFF
- * 2 beeps
- * Permanent Release 1=ON 0=OFF
- * 2 beeps
- * Master Access 1=ON 0=OFF
- * 2 beeps
- * Auxiliary 1 1=ON 0=OFF
- * 5 beeps
- * Relay operation 1= Latching 0=Timed
- * 2 beeps.
- * Auxiliary 2 operation 1= Latching 0=Timed

* 5 beeps.
* This code and its options have now been set. To save it you must now exit programming using the # key. If further codes are to be entered then go back into program mode and repeat for the next code. Please remember that you MUST exit programming after each completed code to store it in the EEPROM. If you make a mistake or lose your way whilst programming then simply press the '*' key and you will exit without writing any changes to the EEPROM.

DELETING A USER

* Enter program mode
* 2 beeps
* Press '2'
* 2 beeps
* Enter the user number you wish to delete (00-79).
* 7 beeps.
* User is immediately deleted exit from programming is not required to store the deletion.

RELAY AND AUXILIARY 2 TIMED PERIOD

* Enter program mode
* Press '3'
* 3 beeps
* Now enter time period which is in multiples of 5 seconds where 1= 5 seconds, 2=10 seconds, 3=15 seconds and so on up to 9=45 seconds.
* 2 beeps
* Press # to exit and store the change.

NOTE The period set applies to both relay and auxiliary 2.

TERMINAL AND OUTPUT DESCRIPTION

MR Manual Release Input. This terminal will activate the relay for the programmed time period when a negative voltage is applied. Usually this would be used for a Request to Exit switch.
X1 Auxiliary 1 output. Timed only, A negative voltage will appear on this terminal for 2 seconds when activated by a code, panic activation or key tamper. This output is rated at 100mA Open collector and is diode protected.
X2 Auxiliary 2 output. Timed or Latching operation with time governed by the programming, otherwise as for X1.
C Common of the relay. The relay is rated at 1 Amp.
NC Normally Closed of the relay.
NO Normally open of the relay.
- Negative power input
+ Positive power input (9-16V AC/DC)
RL+ Red LED positive
RL- Red LED negative

TAMPER SWITCH

Adjacent to the beeper on the codepad are 2 pins. These are connected to the tamper switch. When the switch is held closed these terminals are shorted. The spring supplied is provided to extend the reach of the tamper switch.

* **IMPORTANT** * If using the Code 80 to drive a Door Strike please refer to the diagram on the back page. Failure to follow the recommendations WILL damage the codepad and void the warranty.