

KP165S/165M USER MANUAL

The KP165S/165M is a digital, code-operated keypad for access control and / or remote-control applications. Operating on 12/24VDC, the KP165S/165M purpose is to keep unauthorised people off restricted premises, while permitting authorised people to enter. When any one of the correct codes is identified by the keypad, it energises a relay which unlocks a door or performs any desired switching functions.

KP165S : Surface mount
KP165M : Mortise mount

Specifications :

Voltage : 12/24VDC
Standby current : 80mA/12VDC, 110mA/24VDC
Main relay : 3A/30VDC, 3A/125VAC
Auxiliary relay : 1A/30VDC, 0.3A/125VAC
LED display : 2 (RED, GREEN)
Housing (KP165S) : Stainless steel (125mmLx105mmWx61.4mmH)
Face plate (KP165M) : Stainless steel (120mmLx90mmWx2mmT)
Working temperature : -20° C – 65° C
Capacity of users : 64
User code : 4 – 6 digits.

FUNCTIONS :

- CHANGE MASTER CODE (*13) :** The default master code is 382436. Before switching power ON, make sure the jumper is inserted to pins on the side of the PCB. When powered for the first time, the unit will emit 2 beeps. Then follow steps below :
 - Press 382436# (unit will emit 3 beeps).
 - Remove jumper (unit will emit 3 beeps).
 - Press *13 123456*123456# (unit will emit 3 beeps).
 - Press *99# to exit (unit will emit 6 beeps).

Unit master code is now 123456.

- CODE SELECTION (4– 6 digits) (*19) :** The unit can be programmed for a 3 – 6 digit user code. To select 3-digit user codes, please follow steps below :
 - Press *123456# (unit will emit 3 beeps). Unit is now in program mode.
 - Press *19 3# (unit will emit 3 beeps). User code is 3 digits.
 - Press *99# to exit (unit will emit 6 beeps). Unit is now in stand by mode.

To select a 4,5,6 digit code, press *19 4#, *19 5#, *19 6# instead of *19 3#.

- SETTING USER CODE (*11) :** Activate main, auxiliary relay, line 3 or line 4. To activate main relay, please follow the steps below :

- Press *123456# (unit will emit 3 beeps). Unit is now in program mode.
- Press *11 222*1# (unit will emit 3 beeps). User code is 3-digit 222.
- Press *99# (unit will emit 6 beeps). Unit is now in stand by mode.

To activate auxiliary relay, line 3 or 4, press *11 222*2#, *11 222*3# or *11 222*4#, instead of *11 222*1#.

Maximum capacity of users : 64. When a valid entry is made unit will emit a be-beep beep sound. (Green LED will light up and remain on until door closes). If a wrong entry is made, the unit will emit a beep sound. Three wrong consecutive entries will send unit into Auto shut-off (duration 01-99 secs.)

- DELETING ONE USER CODE (*12) :** To delete a specific user code, please follow the steps below :

- Press *123456# (unit will emit 3 beeps). Unit is now in program mode.
- Press *12 222# (unit will emit 3 beeps). User code 222 is now deleted.
- Press *99# (unit will emit 6 beeps). Unit is now in stand by mode.

- DELETE ALL USER CODES (*26) :** To delete all user codes, please follow the steps below :

- Press *123456# (unit will emit 3 beeps). Unit is now in program mode.
- Press *26# (unit will start deleting and emit 3 beeps after some time – depending on the no. of users in the memory. App. 1 min.). All User codes are now deleted.
- Press *99# (unit will emit 6 beeps). Unit is now in stand by mode.

- SETTING AUTO-SHUT OFF (*20) :** This function will temporarily shut off the unit when 3 consecutive invalid entries are made. At this point the unit will not respond to any request until the programmed shut-off time is over.

- Press *123456# (unit will emit 3 beeps). Unit is now in program mode.
- Press *20 30# (unit will emit 3 beeps). Unit will auto shut-off for 30 secs. (selectable range: 01 – 99 secs.)
- Press *99# (unit will emit 6 beeps). Unit is now in stand by mode.

Factory default 15 secs. To de-activate auto shut-off feature press *20 00# instead of *20 30#.

- SETTING DOOR OPEN SIGNAL (*14) :** When door is left open after a valid entry or exit, this signal will be triggered 30 secs. after main relay time delay. If main relay time delay is 15 secs., the door open signal will trigger after 45 secs. (30 + 15). The unit will emit 1 beep every 5 secs. until the door is closed. To program this signal to the auxiliary relay,

please follow the steps below:

- (a) Press *123456# (unit will emit 3 beeps). Unit is now in program mode.
- (b) Press *14 2# (unit will emit 3 beeps). Door open signal is now activated.
- (c) Press *99# (unit will emit 6 beeps). Unit is now in stand by mode.

To program this signal to main relay, line 3 or 4, press *14 1#, *14 3# or *14 4#, instead of *14 2#.

8. SETTING INTRUSION SIGNAL (*15): When door is opened without a valid entry or RTE, this signal can set off an alarm. To program this function on line 3, please follow the steps below:

- (a) Press *123456# (unit will emit 3 beeps). Unit is now in program mode.
- (b) Press *15 3# (unit will emit 3 beeps). Forced entry signal is now activated through line 3.
- (c) Press *99# (unit will emit 6 beeps). Unit is now in stand by mode.

To program this function on main relay, auxiliary relay, or line 4, press *15 1#, *15 2# or *15 4#, instead of *15 3#.

9. SETTING EMERGENCY INPUT (*16): An emergency signal is activated when the * and # buttons are pressed simultaneously. To activate emergency signal, please follow the steps below:

- (a) Press *123456# (unit will emit 3 beeps). Unit is now in program mode.
- (b) Press *16 13# (unit will emit 3 beeps). Panic signal is now activated through main relay and line 3.
- (c) Press *99# (unit will emit 6 beeps). Unit is now in stand by mode.

To activate emergency signal through auxiliary relay and line 4, press *16 24# or through main relay only, press *16 1#.

10. SETTING REQUEST TO EXIT (*17): A request to exit signal will be activated when an input line is connected through a switch to the common or power supply input (-). To activate main relay, please follow the steps below:

- (a) Press *123456# (unit will emit 3 beeps). Unit is now in program mode.
- (b) Press *17 1# (unit will emit 3 beeps). RTE signal is now activated through main relay.
- (c) Press *99# (unit will emit 6 beeps). Unit is now in stand by mode.

To activate auxiliary relay, line 3 or line 4, press *17 2#, *17 31#, or *17 4#, instead of *17 1#.

11. DISABLING / ENABLING BEEP SOUND (*18): To shut off beep sound of the unit, please follow the steps below:

- (a) Press *123456# (unit will emit 3 beeps). Unit is now in program mode.

- (b) Press *18# (unit will emit 3 beeps). Unit is now in silent mode.
- (c) Press *99# (unit will emit 6 beeps). Unit is now in stand by mode.

To return to BEEP mode, repeat above steps.

12. SETTING MAIN RELAY TIME DELAY (*21): To program main relay time delay, please follow the steps below:

- (a) Press *123456# (unit will emit 3 beeps). Unit is now in program mode.
- (b) Press *21 15# (unit will emit 3 beeps). Time delay set for 15 secs.
- (c) Press *99# (unit will emit 6 beeps). Unit is now in stand by mode.

(ON/OFF operation press *21 00# instead of *21 15#)

To program time delay for auxiliary relay, line 3 or line 4 for 15 secs, press *22 15#, *23 15#, or *24 15#, instead of *21 15#.

13. CLEARS MEMORY (*25): This will clear all programs in the memory and return to factory default settings.

- (a) Press *123456# (unit will emit 3 beeps). Unit is now in program mode.
- (b) Press *25# (unit will start to clear memory and beep 3 times). Duration to clear memory depends on programmed functions. (App. 1 min.)
- (c) Press *99# (unit will emit 6 beeps). Unit is now in stand by mode.