ACL875SU

Installation Sheet

EN

Surface Mount Standalone Keypad



Figure 1: Angled front view

Description

The **ACL875SU** is a standalone digital keypad for access control applications with backlit keys, 99 user codes, 2 outputs (relay and transistor) and 1 push button input. These keypads are available in three different color finishes. Authorized users can be assigned specific codes for use in access control applications, electrical switching and arming/disarming alarm systems. The users can be assigned to activate the first, the second or both outputs. There is a 30 seconds lockout after 8 successive invalid PIN codes.
The tamper switch output can trigger the alarm system, if an attempt is made to open or remove the unit from the wall.

Mounting

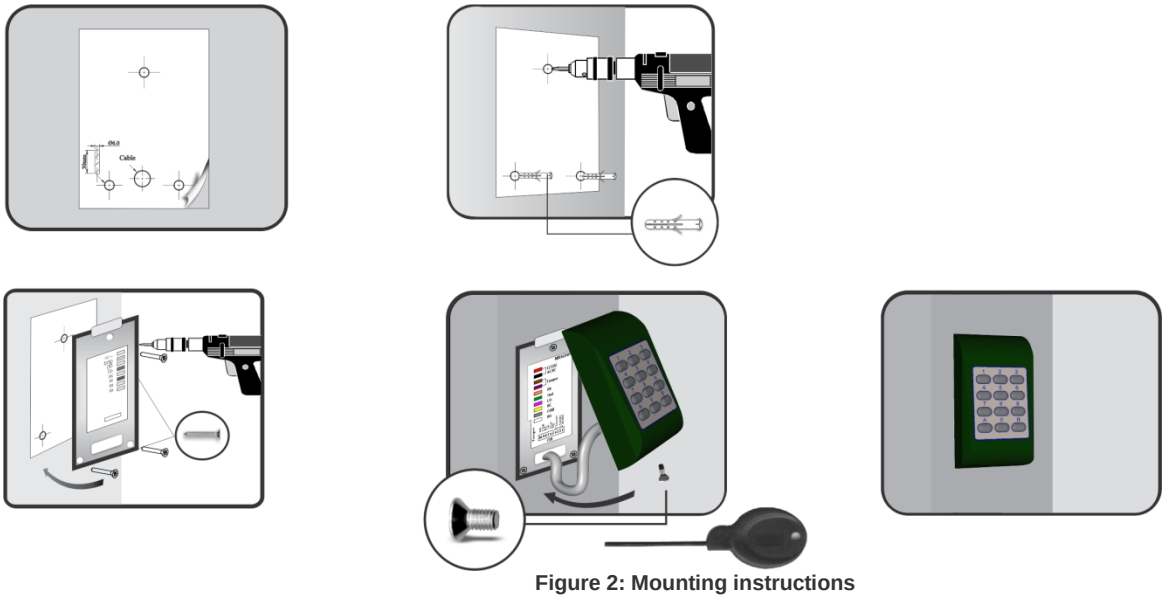


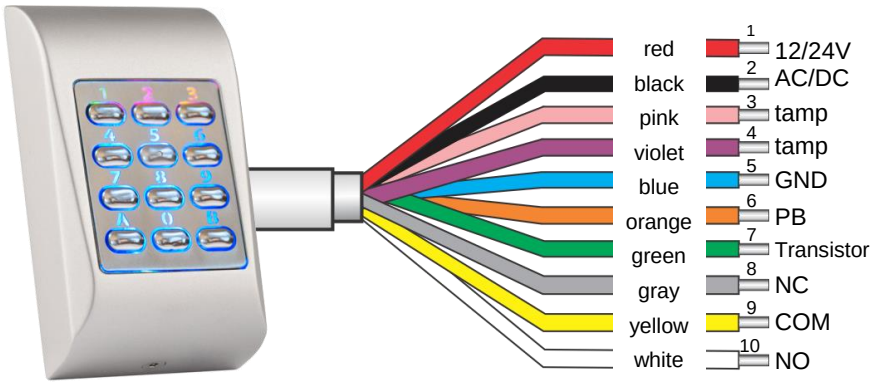
Figure 2: Mounting instructions

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Specifications

Operating voltage	12 to 24 VDC; 15 to 24 VAC
Current consumption	60 mA at 12 VDC
PIN Code capacity	99 (1 to 8 digits)
Outputs	1 Relay (2 A at 24 VDC, 2 A at 120 VAC), 1 transistor (100 mA)
Buzzer	Yes
	Green : Output 1 Status (Relay) Red : Output 2 Status (Transistor) Orange: Key press and Menu
LED control	No
Tamper	Yes
Backlight ON/OFF	Yes, by DIP switch (ON = Idle mode is Orange)
Panel connection	Cable,1 m
Material of design housing	Molded Aluminum, or ABS (black)
Dimensions of housing (W x H x D)	51 x 92 x 25 mm; 51 x 92 x 27 mm (ABS);
Operating Temperature Relative humidity	-20 to +50°C 0 to 95% noncondensing
IP rating	IP65
Color	-S = Silver, -C = Grey, -B = Black
Weight (shipping) Weight (product)	305 g 173 g

Wiring



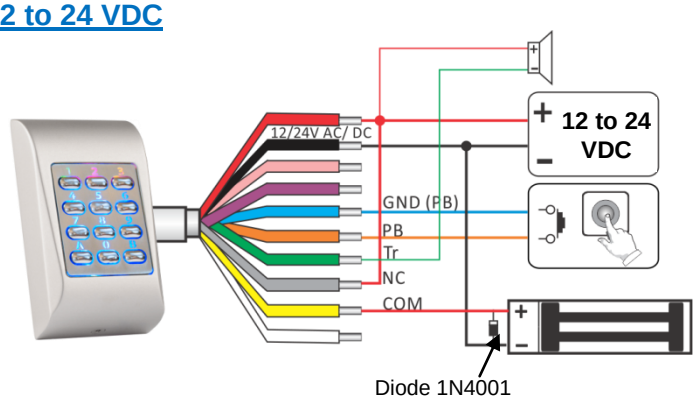
1 2	12/24V AC/DC	12 to 24 VDC; 15 to 24 VAC
3	Tamp	Tamper
4	Tamp	Tamper
5	GND	Ground (PB)
6	PB	Push Button Input
7	Transistor	Transistor Output
8	NC	Normally closed
9	COM	Common
10	NO	Normally open

Figure 3: Wiring instructions

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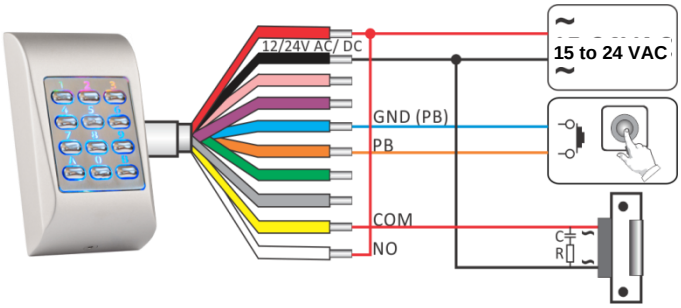
Application diagram

12 to 24 VDC



Note: Exit button (NO) automatically activates relay output1.

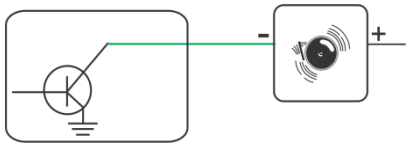
15 to 24 VAC



NOTE:
The PIN code is typed with A for confirmation.

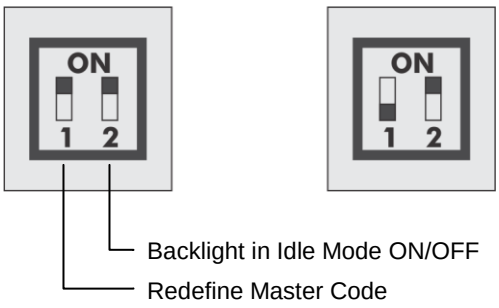
Example:
123 + A

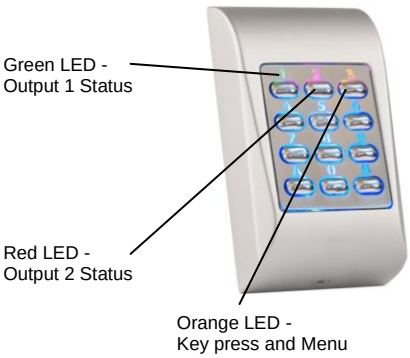
Transistor



DIP switch and Status LED's

Default: 1 – OFF; 2 - ON





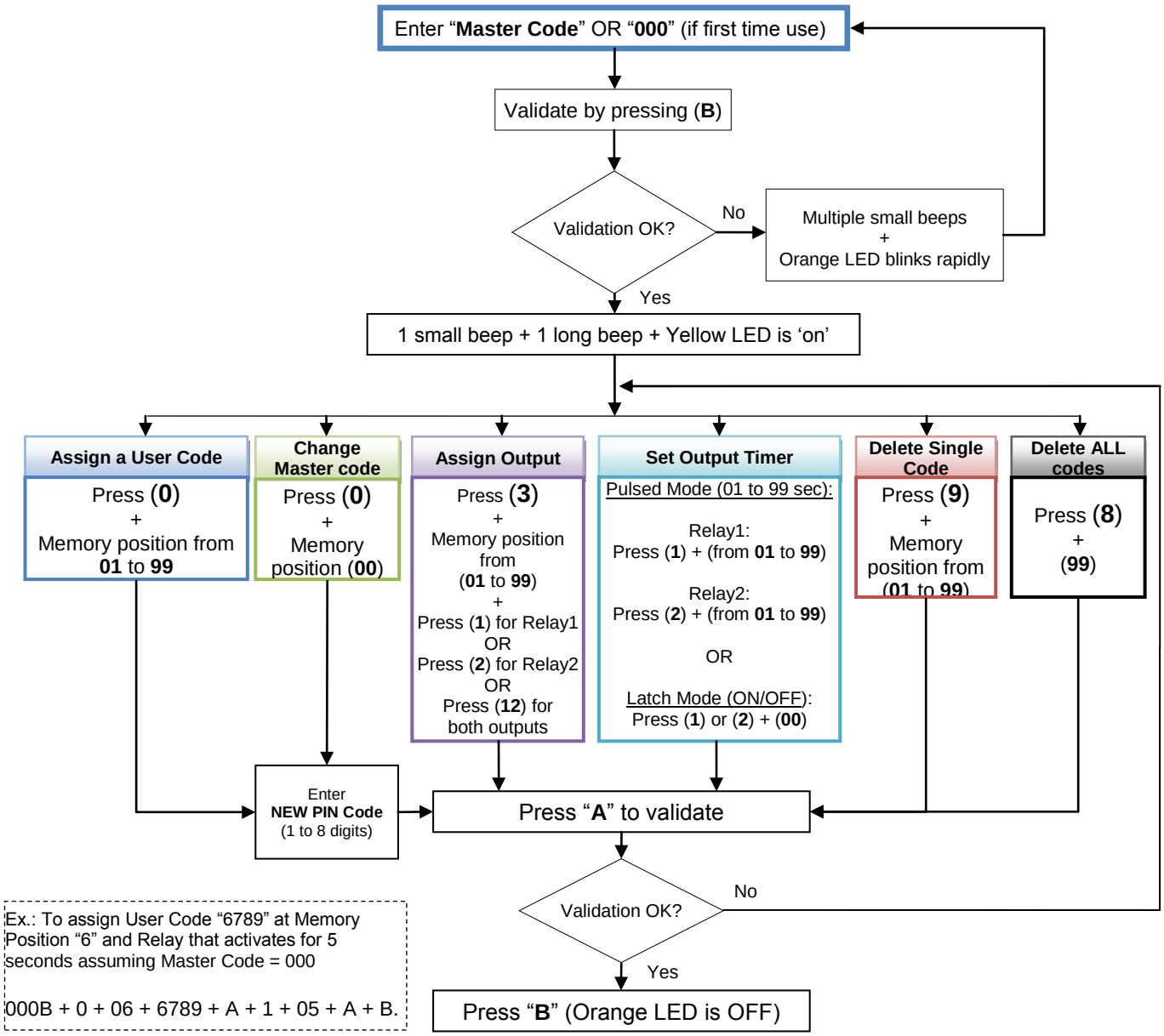
Redefine "Master Code"

It is possible to redefine and restore the default setting if the Master code is forgotten.

1. Disconnect power and put the DIP switch1 to ON
2. Reconnect power (Beep Beep ... + Orange LED blinks)
3. Put back the DIP switch1 to OFF (Orange LED ON + Long beep)
4. Press 000
5. Press the new Master Code
6. Press A (Beep Beep)
7. Press B (Orange LED OFF)

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Programming flowchart



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Version	This document applies to ACL875SU hardware
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