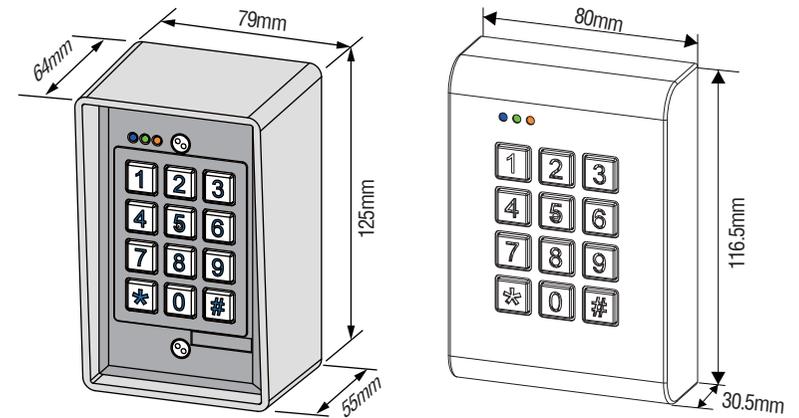


DG-15LD DG-25LD

Digital Keypad Operation Manual

DG-15LD/DG-25LD

Digital Keypad Operation Manual



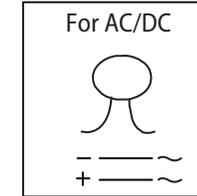
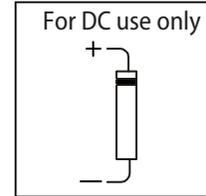
DG-15LD

DG-25LD

Specifications

Operating Voltage	12~24 VDC
Current Draw	Active: 90mA/12VDC, Standby: 40mA/12VDC
	Active: 120mA/24VDC, Standby: 60mA/24VDC
Keypad	12-Key Keypad (0~9, *, #)
LED Status Indication	3 LED Indicators (Power: Blue, Relay 1: Green, Relay 2: Amber)
Input	1 Contact for Egress Pushbutton 1 Contact for Door Sensor Reed Switch
Output	2 Relays (Dry contacts: N.O./N.C./Com.)
Relay Output Time	01~99 Seconds or Toggle Mode (00 Seconds)
Relay Electric Current	3A/24VDC
Memory Volume	200+10 PINs (* 001~ * 210)
	Relay 1 is Controlled by Users * 001~ * 200 (* 300)
	Relay 2 is Controlled by Users * 201~ * 210 (* 301)
	Relay1(* 300); Relay2(* 301)
EPROM	Erasable Programmable Read Only Memory: Programmed data is stored on non-volatile memory to prevent data loss in case of power loss.
Ambient Humidity	0%~95% (Non-condensing)
Operating Temperature	-20°C~+70°C

* The electric lock or relay must have a diode or varistor across the terminals of the electroc lock to suppress the back electromotive force (EMF) - failure to do so will damage the relay contacts and electronic components, and even cause the controller to burn out.



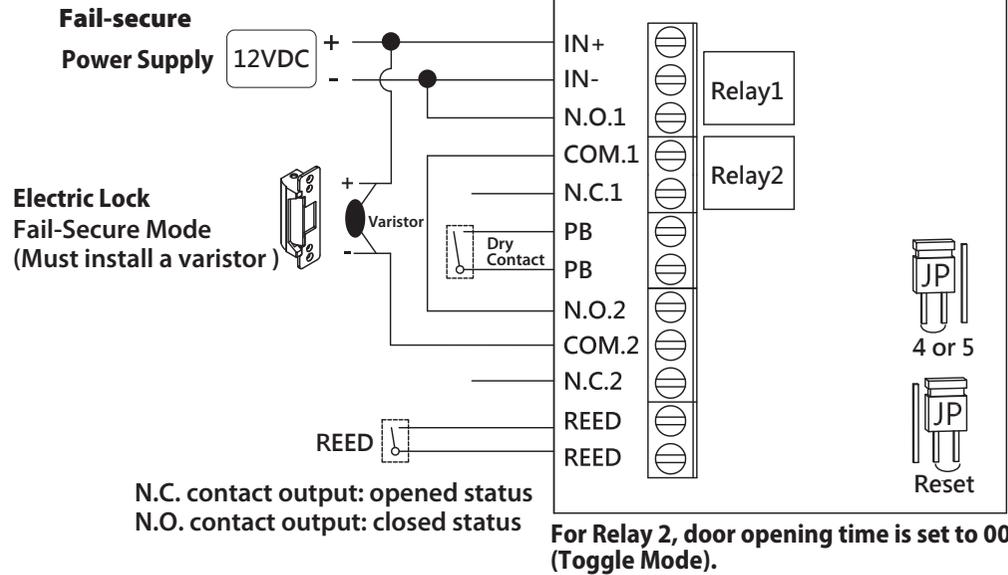
Note:

Anti-Tailgating Function: Once the door is closed, the keypad will cut off the remaining relay output time and locks the door. For example: relay output time is set to 10 seconds and the door closes after 3 seconds. The door will lock once the door closes forgoing the remaining 7 seconds. This is for Relay 2 only and is unavailable when relay output time is set to 0 seconds (Toggle Mode).

Warranty

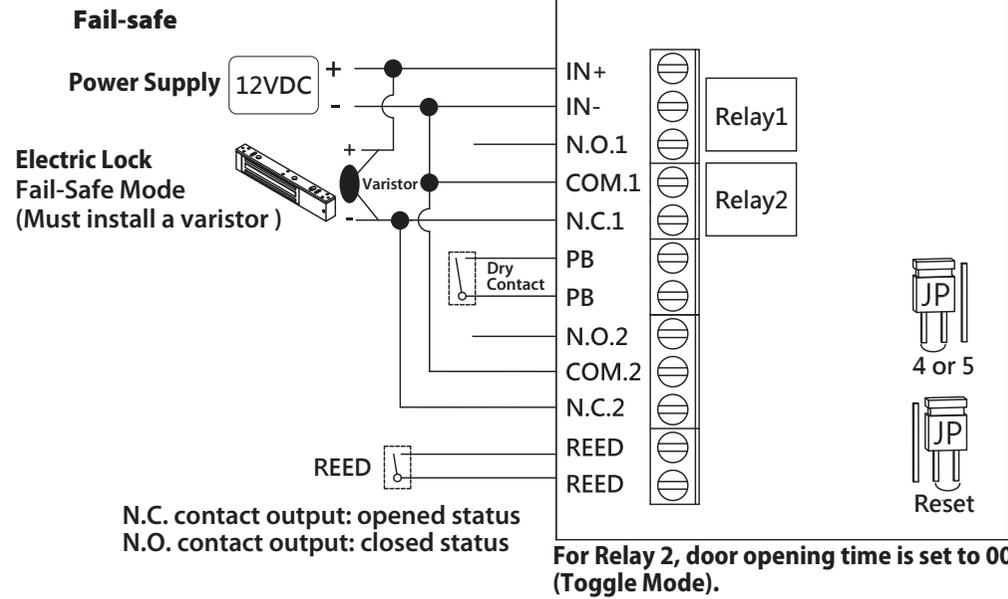
The product is warranted against defects in material and workmanship while used in normal service for a period of 1 (one) year from the date of sale to the original customer. Our policy is one of continual development and improvement and we reserve the right to change specifications without notice.

Wiring Diagram



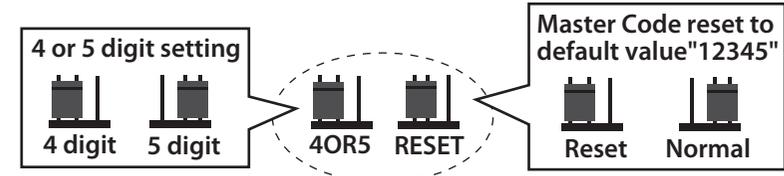
LED Indicators & Keypad Sounds

LED	Blue On	Power on, keypad on standby
	Green On	Relay 1 active
	Amber On	Relay 2 active
	Blue + Green + Amber	In programming mode
Beep	1 Beep	Valid key press
	2 Beeps	Enter, exit programming mode
	3 Beeps	Incorrect operation
	5 Beeps	Master Code back to 12345 (All settings cleared)



Operation Instruction

Jumper Setting



- Default Master Code: "1234" for 4 digits, "12345" for 5 digits. It is recommended to clear all stored codes prior to a new setting.
- Reset Master Code to factory default "12345":
 - Insert the jumper into 1-2 (5 beeps)
 - Master Code reset to default value
 - Insert the jumper into 2-3
- Clear all PINs:
 - Reset Master Code to factory default (5 beeps indicates all PINs are cleared)
 - Insert the jumper into 2-3

a - Enter Programming Mode

Enter the Master Code twice (Default value: "1234" or "12345") to enter programming mode (2 beeps)

Note: 1. If there is no keypress for 60 seconds, the keypad will automatically exit programming mode.

2. The controller will be locked for 60 seconds upon 30 consecutive incorrect Master Code entries.

b - Add New PINs

1. Enter programming mode.

2. Enter slot position * 001~ * 210.

3. Enter the PINs (1 beep).

4. Repeat, or press "#" to exit programming mode.

Relay 1 is controlled by the slot position * 001~ * 200.

Relay 2 is controlled by the slot position * 201~ * 210.

Note: "00000", "1234", "12345" and the Master Code cannot be used as PINs.

c - Set Relay Output Time

1. Enter programming mode.

2. Press * 300 (or * 301).

3. Enter Relay Output Time between (01~99) (1 beep).

e.g. Press 05 will set the relay output time to 5 seconds, and 00 for Toggle Mode.

4. Press "#" to exit programming mode.

Note: In Toggle Mode, the Relay will switch between N.C. contact and N.O. contact by entering the PIN once.

d - Delete PINs

1. Enter programming mode.

2. Press * 006 (if * 006 slot position is to be deleted).

3. Press 0000 (or 00000) (1 beep).

4. Press "#" to exit programming mode.

e - Change Master Code

1. Enter programming mode.

2. Press * 000.

3. Enter new Master Code (1 beep).

4. Press "#" to exit programming mode.

f - Turning Buzzer Function ON/OFF (In programming mode)

1. Enter Master Code twice (2 beeps).

2. Enter *400 (1 beep).

3. Enter 0 (buzzer ON) or 1 (buzzer OFF) (1 beep)

4. Press "#" to exit programming mode.

g - Delete Multiple PINs

1. Enter Master Code twice (2 beeps).

2. Enter *800 (1 beep).

3. Press the first slot position to be deleted (e.g. 006, 1 beep).

4. Press the second slot position to be deleted (e.g. 208, 1 beep).

5. Press "#" to exit programming multiple PINs or press # again to exit programming mode.

h - Resetting Keypad

1. Enter Master Code twice (2 beeps).

2. Enter *900 (1 beep).

3. Enter 0 (Master Code is reset to 1234 or 12345) or Enter 1

(all parameters are reset to factory default; Relay 1 & 2 users are deleted)

5 beeps, and the keypad exits programming mode automatically