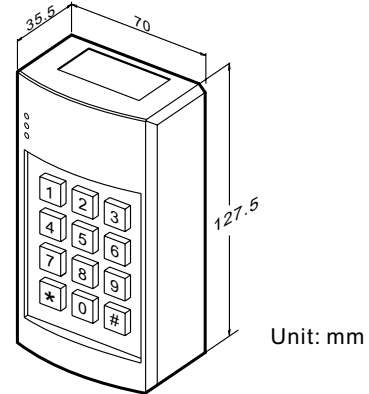


DG-5 Digital Keyless Entry System



Features:

- ✓ **4 digit codes**
(5 digit codes available by special order)
- ✓ **Tamper Switch Included**
- ✓ **Door Reed Switch Input for Anti-Trailing**
- ✓ **10 user PINs**
- ✓ **Fully Programmable via keypad and master code**
- ✓ **Non-Volatile Memory**
- ✓ **Invalid PIN Lock-out**
- ✓ **Cost effective**

Statement:

The DG-5 is a digital code-operated (anti-tamper) for indoor access control keypad with up to 10 individual user PINs, suitable for small and medium-size businesses, multi-tenant residential and commercial buildings, as well as clinics and health facilities.

The door reed switch is used to time out the timer when door is moved. User access PINs ensure that all functions controlled to authorized persons only. It mounts to any standard single gang electrical box or directly to any wall.

Warranty:

Our digital keypads are warranted against defects in material and workmanship while used in normal service for a period of 1 year from the date of sale to the original customer.

Specifications:

- Operating Voltage: 9~14 Vdc
- Current Draw: Average 20mA, Peak 70mA @ 12Vdc
- Input: One request-to-exit, and time out reed switch
- Relays: N.O./N.C./Com. Output (free voltage contact), 3A@ 125Vac or 30Vdc
- Case Material: ABS (UL94V0)
- Operating Temperature: -20~+70C
- Ambient Humidity: 0~95% relative humidity non-condensing
- Visual Signals:
 - Green: Power on
 - Red: Relay activated
 - Yellow: Program Mode \ Lock-out
- Factory Master Code: 1234
- Invalid PIN Lockout: System will shut down 60 seconds while 6 times of incorrectly password attempted.
- Relay Activation Time: (*20)
 - Pulse mode : 1~99 seconds (01~99)
 - Latching mode (00)
- EPROM: Non-volatile memory, System will retain all programs and codes after a total loss of power.
- User PINs: (*01~*10) It is possible to program 10 different user PIN codes.

Disclaimer:

The information and specifications printed in this manual are current at the time of publication. The policy is one of continual development and improvement; therefore we reserves the right to change specifications without notice.

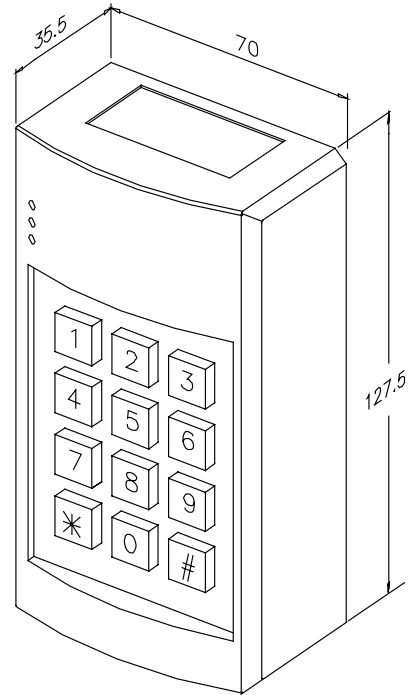
DG-5 The Digital Keyless Entry System Operation User's Manual

1. Features:

- ◆ 4 digit codes (5 digit codes available by special order)
- ◆ Tamper Switch Included
- ◆ Door Reed Switch Input for Anti-Trailing
- ◆ 10 user PINs
- ◆ Fully Programmable via keypad and master code
- ◆ Non-Volatile Memory
- ◆ Invalid PIN Lock-out

2. Specifications:

- ◆ Operating Voltage: 9~14 Vdc
- ◆ Current Draw: Average 20mA, Peak 70mA @ 12Vdc
- ◆ Input: One request-to-exit, and time out reed switch
- ◆ Relays: N.O./N.C./Com. Output (free voltage contact), 3A@ 125Vac or 30Vdc
- ◆ Case Material: ABS (UL94V0)
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- ◆ Visual Signals:
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- ◆ Factory Master Code: 1234
- ◆ Invalid PIN Lockout: System will shut down 60 seconds while 6 times of incorrectly password attempted.
- ◆ Relay Activation Time: (* 20)
 - Pulse mode : 1~99 seconds (01~99)
 - Latching mode (00)
- ◆ EPROM: Non-volatile memory, System will retain all programs and codes after a total loss of power.
- ◆ User PINs: (* 01~* 10) It is possible to program 10 different user PIN codes.



3. Program Instruction:

◆ Enter Program Mode:

1. Enter the master code twice (Factory master is 「 1234 」)
 - 2 beeps and the Yellow LED will light up.
 - you are now in the "programming mode".
2. **Note:** After 60 seconds if you have not entered any codes or data, the system will automatically exit from the programming mode. After 6 wrong attempts at the master code the lockout facility will operate.

◆ Exiting from the program mode:

1. Press 「 # 」 to exit from the programming mode.

2. **Note:** After 60 seconds if you have not entered any codes or data, the system will automatically exit from the programming mode. After 6 wrong attempts at the master code the lockout facility will operate.

◆ **To Enter a User Code :**

Enter the Programming mode

1. Enter the slot position code 「 *01~*10 」 →???? (user code 4 digit) → (beep) →enrolled→ Press # to exit from the programming mode, or program other operating.
2. **Note:** The codes"0000","1234" or master code are not used for PIN code.

◆ **To Program Relocking Timer (relay) :**

Enter the Programming mode

1. Press 「 *20 」 Followed by the number of seconds the relay should open→ 「 05 」 =5 seconds (01 ~99 = seconds) → (beep) →enrolled → Press 「 # 」 to exit from the programming mode, or program other operating.
2. Enter 「 00 」 Sets the relay to latching mode. (Correct code entered opens the relay, and the relay stays open until the correct code is entered again).

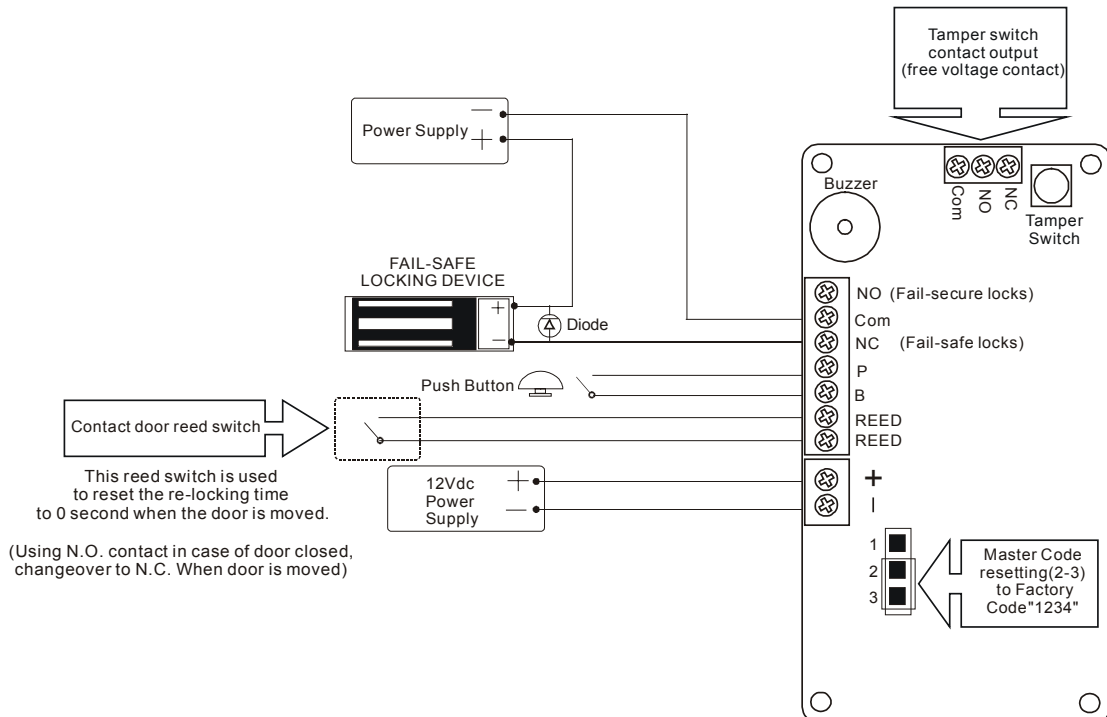
◆ **To Delete a User Code :**

Enter the Programming mode→ Press the slot position code of your choice to delete (example "06") →Press 「 *06 」 →「 0000 」 → (beep) →delete→Press 「 # 」 to exit from the programming mode, or programming other operating.

◆ **To Change the Master codes:**

Enter the Programming mode, Enter 「 *00 」 Followed by the new 4 digit master code→ (beep) →enrolled→Enter 「 # 」 to exit from the programming mode, or program other operating.

4. Wiring diagram:



Note:

The varistor or diode must be connected across the lock terminal (electromagnet...) operated by the device. The varistor controls the overload produced by the strike coil (EMP).

Programming the DG keypad

To program the DG keypad you will need to enter the program mode by entering the master code twice

The default master code is 1234, so you would press 1234 1234 (twice)

You will hear 2 beeps and the Yellow LED will light up to confirm you are now in the programming mode

If you do not press any button for 60 seconds the keypad will exit from the programming mode

To manually exit from the programming mode press the # key

To enter a user code – example code 9999

Enter the programming mode by pressing 1234 1234

Enter *01 – this is user code position 1, *02 – this is user code position 2, and so on

So enter: *019999# - this means *01 (for user code 1) 9999 – this means the code number you have chosen
- this exits you from the programming facility

The keypad will beep to confirm the user code

Enter 9999 – this will operate the keypad

To delete a user code – example code 9999

Enter the programming mode by pressing 1234 1234

Enter: *019999# the keypad will beep to confirm the deletion

Enter 9999 – this will not operate the keypad

To program the lock release timer

Enter the programming mode by pressing 1234 1234

Enter *20 followed by the number of seconds you require, for 5 seconds you would enter 05

So enter: *2005# The keypad will beep to confirm your action

Enter 9999 and the keypad red LED will light up for 5 seconds

To change the master default code of 1234 to 5678 (or your chosen number)

Enter the programming mode by pressing 1234 1234

Enter *00 followed by 5678 (or your chosen number) then #

The keypad will beep to confirm the new master code