Quick Programming Guide

Master Code
M M M M M M M M M *0 0 0 N N N N # NNNN = New Master Code
Default: MMMM = 2580

Add User Code
M M M M M M M M M *X X X U U U U # XXX = User ID
UUUU = User Code

Output 1 Timer
M M M M M M M M M *3 0 0 T T # TT = 00 (Toggle Mode)
TT = 01 to 99 sec
Default: TT = 05

Output 2 Timer
M M M M M M M M M *4 0 0 T T # TT = 00 (Toggle Mode)
TT = 01 to 99 sec
Default: TT = 05

Delete User
M M M M M M M M M *5 0 0 X X X # XXX = User ID

Alarm Output Time
M M M M M M M M M *5 0 1 T T T # TTT = 001 to 999 sec
Default: TTT = 030

Alarm Detection Mode
M M M M M M M M M *5 0 2 0 # Disable ***(Default)***
M M M M M M M M M *5 0 2 1 Force Open
M M M M M M M M M *5 0 2 2 Incorrect Code Protect
M M M M M M M M M *5 0 2 3 Force Open / Incorrect Code Protect

User Code Length
M M M M M M M M M *7 6 1 L # L = 2 to 8

Back Light Mode
M M M M M M M M M *7 6 4 0 # Always OFF
M M M M M M M M M *7 6 4 1 # Always ON ***(Default)***
M M M M M M M M M *7 6 4 2 # ON for 10sec for any key press

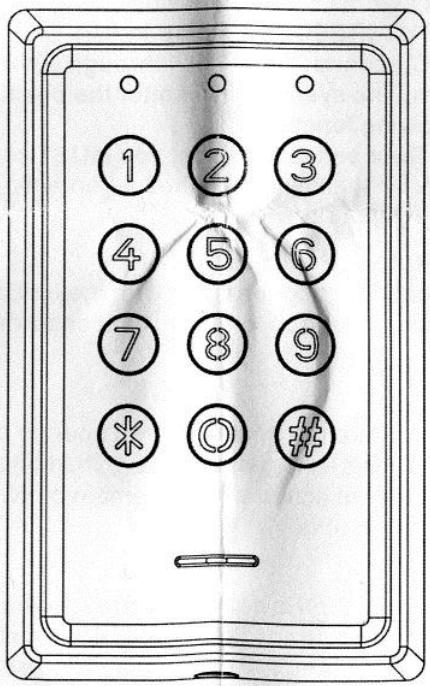
Delete All User
M M M M M M M M M *8 7 6 1 # Delete all Realy-1 User
M M M M M M M M M *8 7 6 2 # Delete all Realy-2 User

Silent Mode
M M M M M M M M M *7 6 5 0 # Disable
M M M M M M M M M *7 6 5 1 # Enable

DG35 DIGITAL KEYPAD

User Mamnual

(Read the instruction carefully before operaion)



Specifications

- Operating Voltage: 12~24 VAC/DC
- Current Draw: TBA

Input:
request-to-exit (for Relay 1)
time out reed switch contact (for Relay 1)

- Output:

Relay 1: N.O./N.C./Com. Output (free voltage contact), 2A
Relay 2: N.O./N.C./Com. Output (free voltage contact), 2A

- Strike Time: 1~99 seconds (adjustable)
- Strike mode: Access Timer or Latch
- Memory Volume: 80 + 80 PIN codes
- Relay 1 is controlled by *001 ~ *080 user slots
- Relay 2 is controlled by *081 ~ *160 user slots
- DOOR SENSOR INPUT (REED) (for Relay 1 only)
  Normally closed (N.C.) connect to COM(-) through a normally closed magnetic door switch. The system will monitor the position of the door and will give the following functions:
  Note: To enable the Door sensor function, you MUST connect REED to COM(-) before power up the keypad. It the pin remain open, the keypad will disable the REED function.

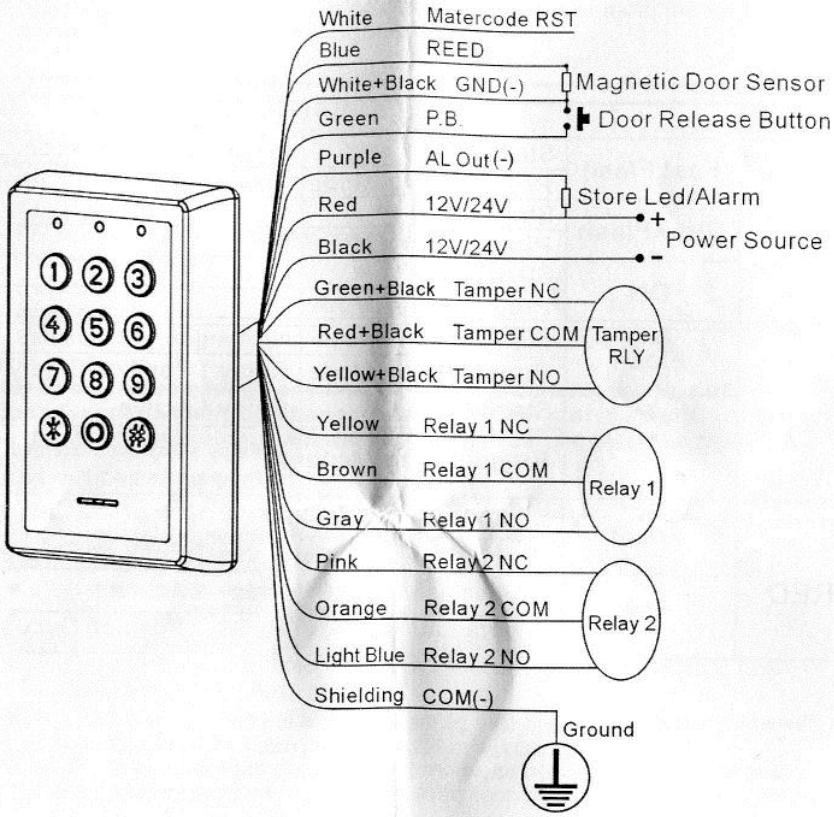
➢ **Output Automatic Relock Function**
Automatic Relock Function is cooperating with the REED input. The feature turns the Lock output from on to off 1 second after the door is detected close.

➢ **Door Forced Open**
A door forced open is where the door has been opened but a user code or PB has not been used to gain access. When this condition occurs the Alarm output will active and will remain active for the programmed alarm output time

➢ **Door Propped Open**
A door propped open condition is defined by the situation where the door has been opened but has not closed after 60 seconds the lock timer is time out. In this situation, it triggers the Alarm output until the programmed alarm timer timeout.

- **ALARM OUTPUT (AL Out-) (500mA @ 12VDC)**
  DC 12V 500mA (-) negative signaling circuit output to alarm device. Operates when a Door Forced or Propped Open alarm occurs, or when Incorrect Codes Protection is activated

Connection Diagram



Operating Temperature: TBA
Ambient Humidity: TBA
Factory Master Code: 2580
Master and User Code Length: 2 to 8 digit
EEPROM: Non-volatile memory, System will retain all programs and codes after a total loss of power.

The indicator signal chart

LED			
		Mode	Status
BLUE	Fast Flash	Stand-By	In Programming Mode
		Programming Mode	Stand-By
	Slow Flash	Stand-By	
		Programming Mode	
	ON	Stand-By	
		Programming Mode	
GREEN	Flash	Stand-By	
		Programming Mode	Relay 1 Position Empty
	ON	Stand-By	Relay 1 Active
		Programming Mode	– Relay 1 Position Pccupied – Program Relay-1 Timer
RED	Flash	Stand-By	
		Programming Mode	Relay-2 Position Empty
	ON	Stand-By	Relay-2 Active
		Programming Mode	Relay-2 Position Occupied

Operation Instruction

❋Enter Program Mode

1. Compose twice the master code (2580)→3 beeps→Blue LED becom fash fast flash you are now in the "programming mode".
2. After 60 seconds if you have not entered any codes or data, the system will automatically exit from the programming mode.

❋Exiting from the program mode

Press「#」to exit form the programming mode

❋Changing the Master codes

Enter the Programming mode

1. Enter 「*000」
2. Followed by the new master code
3. Follwed by a 「#」
4. ("beep")
5. enrolled
6. Exit from the programming mode, or program other operating.

Note:

Master Code can be change any time in the programming mode, but the code length can only be changed when the user slot is empty.

When the user slot is empty, Master code length can be selected from 2 to 8 digit.

❋Add PIN codes to Relay 1

Enter the Programming mode

1.Enter the slot position code 「*001~*080」(example"006"),Press 「*006」

- If the position is empty **GREEN** LED Flash
- Otherwise **GREEN** LED stay ON

2.Input PIN codes(example"0060"), Press 「0060」

- For a successful added user,"beep"will be heard and **GREEN** LED will change form flash to ON
- If the entered code is already used by other user, long"beep" tone will be heard which mean the new code in not added

3. Press「#」to exit from the programming mode, or program other orerating

Note 2: Same user code cannot be shared with more then one user or master code.

❋Add PIN codes to Relay 2

Enter the Programming mode

1.Enter the slot position code 「*081~*160」(example"058"),Press 「*088」

- If the position is empty **RED** LED Flash
- Otherwise **RED** LED stay ON

2.Input PIN codes(example"0088"), Press 「0088」

- For a successful added user,"beep"will be heard and **RED** LED will change form flash to ON
- If the entered code is already used by other user, long"beep" tone will be heard which mean the new code in not added

3. Press「#」to exit from the programming mode, or program other orerating

Note 2: Same user code cannot be shared with more then one user or master code.

❋ To Program Relocking Timer

Enter the Programming mode,

	Relay 1		Relay 2
1.	Press program item 「∗300」	1.	Press program item 「∗400」
2.	Followed by the number of seconds that the relay should open (「01 ~99」 : seconds, 「00」: latch mode) Example: 5 seconds, Press 「05」	2.	Followed by the number of seconds that the relay should open (「01 ~99」 : seconds, 「00」: latch mode) Example: 5 seconds, Press 「05」
3.	("beep")	3.	("beep")
4.	enrolled	4.	enrolled
5.	Press 「# 」to exit from the programming mode, or program other operation item.	5.	Press 「# 」to exit from the programming mode, or program other operation item.

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

1. Enter program item 「*500」
2. Press the slot position code of your choice to delete(example "006") 「*006」
3. "beep"
4. deleted
5. Press 「#」 to exit from the programming mode,or 「*」+ programming code for other programming item

❋ Alarm Output Time

Enter the Programming mode

1. Enter program item 「*501」
2. Enter 3 digit alarm output time, from 000 to 999.
3. "Beep"
4. Enrolled
5. Press 「#」 to exit from the programming mode,or 「*」+ programming code for other programming item

❋ Alarm Detection Mode

Enter the Programming mode

1. Enter program item 「*502」
2. Enter single digit alarm detection mod
   0 : Disable
   1 : Door Force Open
   2 : Incorrect Code Protect
   3 : Door Force Open or Incorrect Code Protect
3. "Beep"
4. Enrolled
5. Press 「#」 to exit from the programming mode, or 「*」+ programming code for other programming item.

❋ Changing User Digit Code length

Enter the Programming mode.

1. Enter 「*761」
2. Followed by the new code length (2 to 8 digit)
3. ("beep")
4. enrolled
5. Press 「# 」to exit from the programming mode, or 「*」+ programming code for other programming item.

Note:

This operation can only be done when it is new install or no user is save in the memory.

Also change master code length and restore master code .

Code length	Master code
2	25
3	258
4	2580
5	25800
6	258000
7	2580000
8	25800000

❋ Back Light Mode

Enter the Programming mode

1. Enter 「*764」
2. Enter single digit back light mode
   0 : Always Off
   1 : Always On
   2 : On for 10 seconds after any key press
3. ("beep")
4. enrolled
5. Press 「# 」to exit from the programming mode, or 「*」+programming code for other programming item.

❋ System Restore

1. Short "SYSTEM RESTORE" terminal for five seconds.
2. 5 audible beeps heard.
3. Master Code is reset to 「2580」
4. Disconnect "YSTEM RESTORE"terminal.
5. Done

Note : Restore to default value

Default Value

Master Code	2580
Relay 1 Timer	5
Relay 2 Timer	5
Digit Code Length	4