Manuals+ — User Manuals Simplified.

Spectrum DG500 Digital Keypad and Proximity Reader User Manual

Contents

Spectrum -DG500 -Digital -Keypad- and -Proximity -Reader

Digital Keypad & Proximity Reader
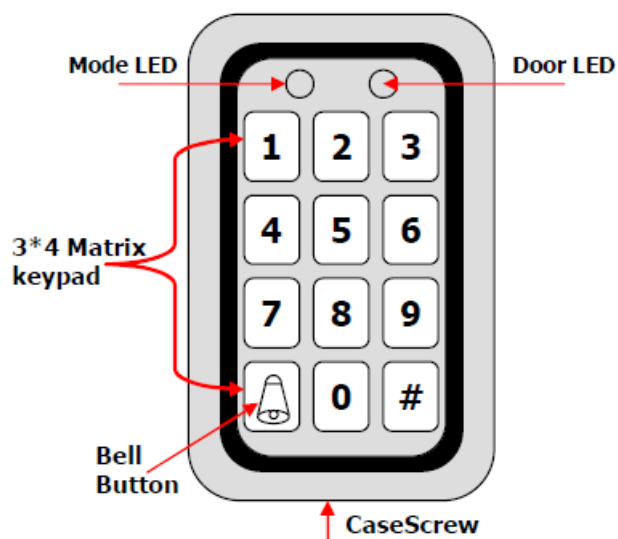
KEY FEATURES

- Built in Proximity Reader
- Built in Keypad for Code entry
- 500 user codes
- Illuminated Keys
- Auxiliary Input & Auxiliary Output
- Individually programmable Output
- 12vDC operation
- 2 Open door Modes (code only – card only)
- 1 Secure door mode (card & pin)
- Internal & external use

- Metal case construction

Technical Specification

- Operating Voltage: 12vDC
- Current: 130mA
- **Built –in Proximity reader**
- Compatible Cards All 26-Bit EM Cards.
  Size
- 120 Long x 76 Wide x 27 High Dim in mm

TAG & 26-Bit EM Card

DG500 KEYPAD PROGRAMMING INSTRUCTIONS

(How to programme 4 digit PIN NUMBER)

LED Sequence

Instruction	LH	RH
Apply 12vDC LH Green --	🟢 Green	⚪ White
Press # (2 seconds) RH light turns Red ---	⚪ White	🔴 Red
Enter 1234 RH lights turns---	⚪ White	🟢 Green
Enter 7 RH light turns ---	⚪ White	🔴 Red
Create a user code 3 figures (001 to 500) LH flashing (Green) RH (Red)	✳ Green flashing	🔴 Red
Create a pin for user LH turns Green RH turns Red ------------------------	🟢 Green	🔴 Red
Press # (2 seconds) LH turns Green --	🟢 Green	⚪ White

(How to Delete Pin)

LED Sequence

Instruction	LH	RH
Keypad powered with 12vDC LH light Green --------------------	🟢 Green	⚪ White
Press # (2 seconds) RH light turns Red --------------------------	⚪ White	🔴 Red
Enter 1234 LH light turns Green -------------------------------------	⚪ White	🟢 Green
Enter 8 Both LH & RH lights turn Red -----------------------------	🔴 Red	🔴 Red
Enter 3 digit user code (one to be removed) LH flashing Red	✳ Red flashing	🔴 Red
Enter 1234 to confirm LH light turns Green -----------------------	🟢 Green	⚪ White

Index

LED out ---------------- ○

LED Green solid ------ 🟢

LED Green flashing -- ☀️(green)

LED Red solid --------- 🔴

LED Red flashing ----- ☀️(red)

(How to Insert Proximity Card EM Type)

LED Sequence

Apply 12vDC LH Green --- 🟢 ⚪

Press # (2 seconds) RH light turns Red -- ⚪ 🔴

Enter 1234 RH lights turns Green -- ⚪ 🟢

Enter 7 RH light turns Red --- ⚪ 🔴

Create a user code 3 figures (001 to 500) LH flashing (Green) RH (Red) ✳️🟢 🔴

Show EM Card to Keypad LH Green RH Red ------------------------------- 🟢 🔴

Press # (2 seconds) LH light turns Green ----------------------------------- 🟢 ⚪

(How to Delete Card)

LED Sequence

Keypad powered with 12vDC LH light Green -------------------- 🟢 ⚪

Press # (2 seconds) RH light turns Red ------------------------- ⚪ 🔴

Enter 1234 LH light turns Green -------------------------------- ⚪ 🟢

Enter 8 Both LH & RH lights turn Red ----------------------------- 🔴 🔴

Enter 3 digit user code (one to be removed) LH flashing Red ✳️🔴 🔴

Enter 1234 to confirm LH light turns Green ---------------------- 🟢 ⚪

Index

LED out ----------------- ⚪

LED Green solid ------ 🟢

LED Green flashing -- ✳️🟢

LED Red solid --------- 🔴

LED Red flashing ----- ✳️🔴

How to change Relay One

LED Sequence

Apply 12vDc – LH Green --- 🟢 ⚪

Press # (2 Seconds) RH turns Red------------------------- ⚪ 🔴

Enter 1234 RH turns green ----------------------------------- ⚪ 🟢

Enter 6 LH flashes Green RH Green ------------------------ 🟢 🟢

Enter 00 + 01-99 sec bleeps twice LH turns green ----- 🟢 ⚪

00 denotes relay 1 next 2 digits sets time in seconds

How to change Relay Two

LED Sequence

Apply 12vDc – LH Green ----------------------------------- 🟢 ⚪

Press # (2 Seconds) RH turns Red------------------------- ⚪ 🔴

Enter 1234 RH turns green ----------------------------------- ⚪ 🟢

Enter 6 LH flashes Green RH Green ------------------------ 🟢 🟢

Enter 10 + 01-99 sec bleeps twice LH turns green ----- 🟢 ⚪

10 denotes relay 2 next 2 digits sets time in seconds

Index

LED out ---------------- ◯

LED Green solid ------ 🟢

LED Green flashing -- ☀️(green)

LED Red solid -------- 🔴

LED Red flashing ----- ☀️(red)

OTHER INSTRUCTIONS YOU MAY NEED

FACTORY RESET

LED Sequence

Instruction	LH	RH
Apply 12vDC LH LED is Green --	🟢	◯
Enter # (2 seconds) RH LED turns RED ---------------------------------	◯	🔴
Enter 1234 RH LED turns Green ---	◯	🟢
Enter 0 LH & RH LED turn RED both flashing----------------------------	🔴	🔴
Enter 1234 LH LED turns Green --	🟢	◯

LOCK STRIKE & AUXILIART RELAY CODE ASSIGNMENT

LED
Sequence

Apply 12vDc – LH Green --- 🟢 ⚪

Press # (2 Seconds) RH turns Red-------------------------- ⚪ 🔴

Enter 1234 RH turns green ------------------------------- ⚪ 🟢

Enter 9 LH flashes Green RH Green ----------------------- 🟢 🔴

Enter 3 digit user code you need to assign too --------- 🟢(flashing) 🔴

Enter assignment digit for current User Slot
(1) lock strike relay
(2) Auxiliary relay
(3) lock & Auxiliary

Index

LED out ----------------- ⚪

LED Green solid ------ 🟢

LED Green flashing -- 🟢(flashing)

LED Red solid --------- 🔴

LED Red flashing ----- 🔴(flashing)

PROGRAMMING CARD & PIN FACILITY

PLEASE NOTE CARD AND PIN WILL ONLY WORK IN SECURE MODE

(How to Insert Proximity Card EM Type)

LED Sequence

Apply 12vDC LH Green -- 🟢 ⚪

Press # (2 seconds) RH light turns Red -- ⚪ 🔴

Enter 1234 RH lights turns Green -- ⚪ 🟢

Enter 7 RH light turns Red --- ⚪ 🔴

Create a user code 3 figures (001 to 500) LH flashing (Green) RH (Red) ✳️ 🔴

Show EM Card to Keypad LH Green RH Red ------------------------------- 🟢 🔴

Press # (2 seconds) LH light turns Green ------------------------------------- 🟢 ⚪

(How to programme 4 digit PIN NUMBER)

LED Sequence

Apply 12vDC LH Green --- 🟢 ⚪

Press # (2 seconds) RH light turns Red --------------------------------------- ⚪ 🔴

Enter 1234 RH lights turns--- ⚪ 🟢

Enter 7 RH light turns --- ⚪ 🔴

Create a user code 3 figures (001 to 500) LH flashing (Green) RH (Red) ✳️ 🔴

Create a pin for user LH turns Green RH turns Red ------------------------ 🟢 🔴

Press # (2 seconds) LH turns Green -- 🟢 ⚪

TO SWITCH KEYPAD FROM NORMAL MODE TO SECURE MODE

Keypad in normal mode
#3838#
revert back to normal mode
#3838#

Index
LED out ----------------- ○

LED Green solid ------ ●

LED Green flashing --

LED Red solid --------- ●

LED Red flashing -----
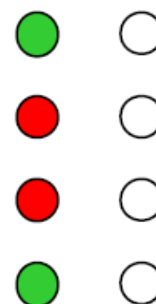
Programme DG500 latching mode. To use latching mode you must use Auxiliary relay2 Stage1 # for 2 seconds till red light comes on 1234 7 Create user code 3 figures (001 to 500) Create pin for user 4 digit (not 1234)# till red light goes off Stage 2 # for 2 seconds till red light comes on1234 9 Enter user code 3 figure number in stage 1 2 # till red light goes off Stage 3 # till red light comes on 1234 6 2000 # till red light goes off When 4 figure number is put into key pad relay 2 opens Relay is closed by putting on 4 figure number in again.

DG500

Link 12v-

COM
NC
NO

Fail Safe

Fail secure

12v+

+12V
GND
LOCK
REX/BL
BELL1
BELL2
AUX_IN
AUX_OUT

COM
NC
NO

Auxillary Relay Output

REX Button

Auxillary Output

Auxillary Input

LOCK

BELL
LOCK
NO
NC
GND
+12V
GND
BATTY

Power
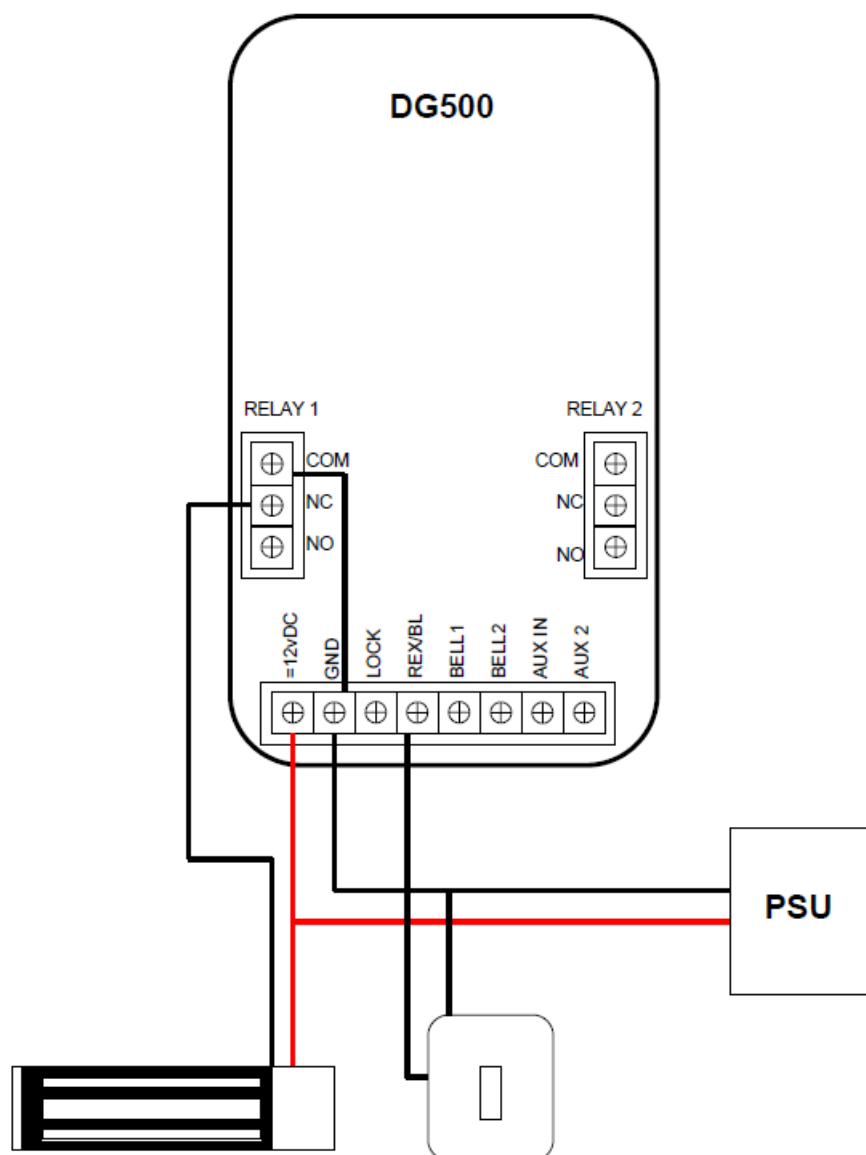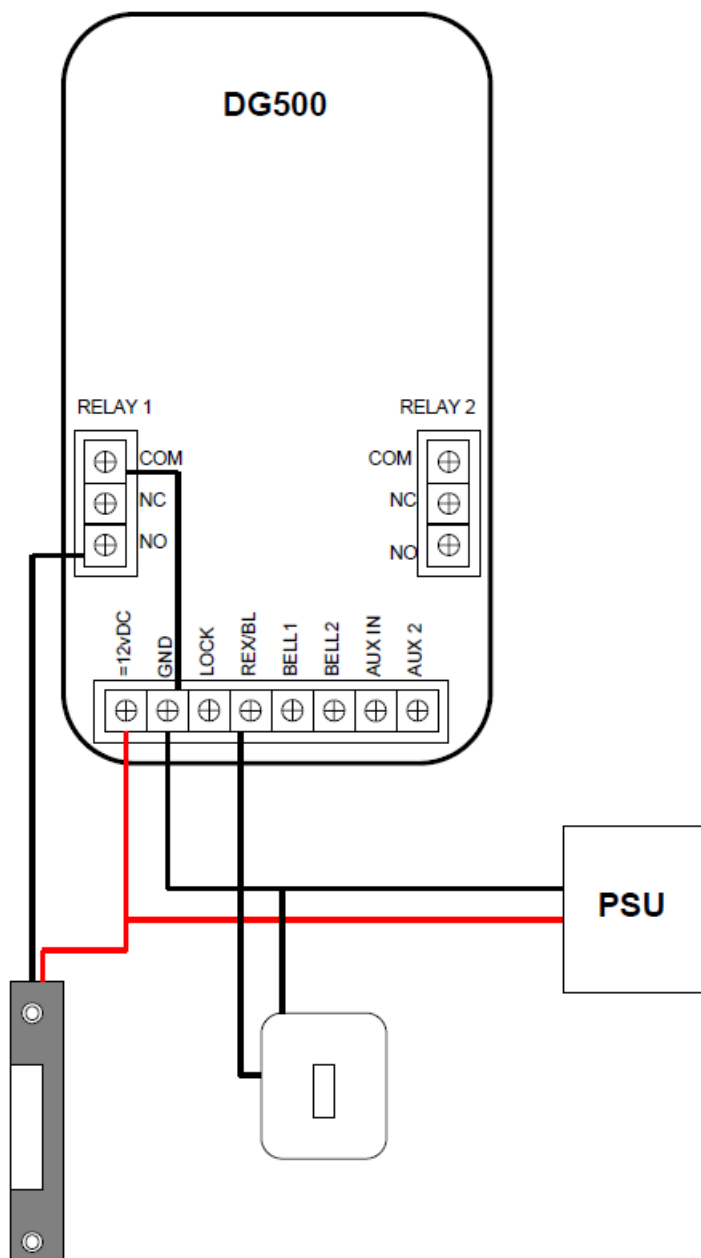
Battery

+12V

-
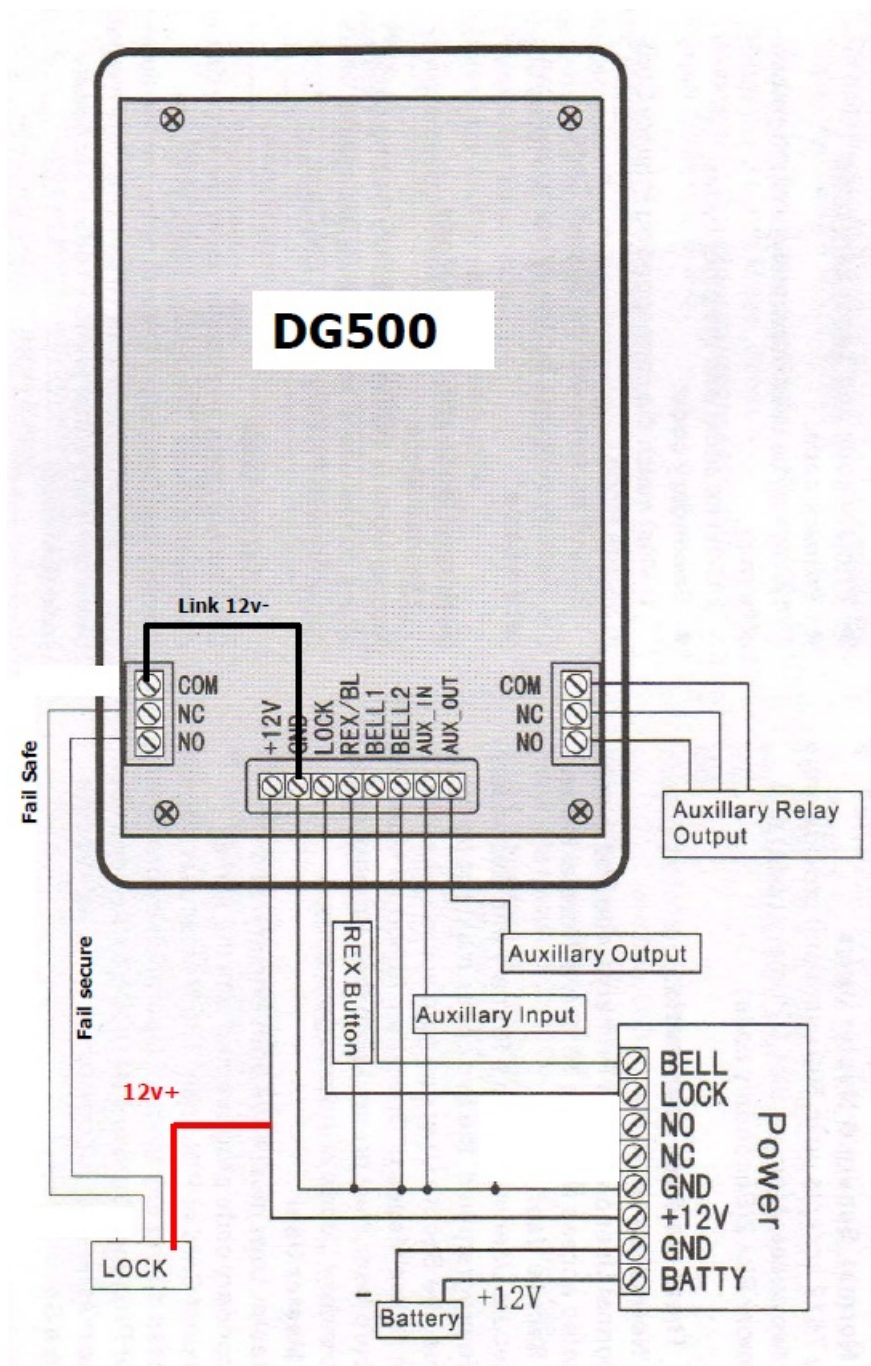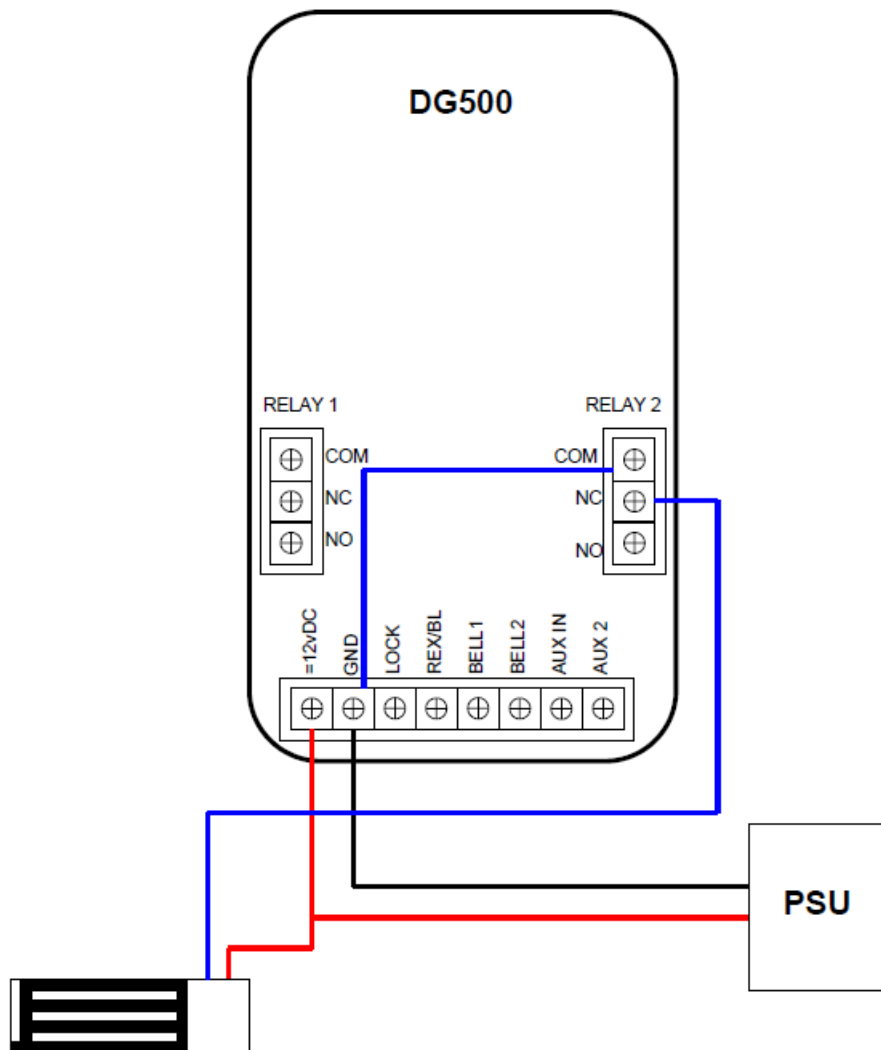
Latching Wiring

Latching mode only through relay 2.

MAGNET WIRING

WIRING FAIL SECURE

Documents / Resources

Spectrum DG500 Digital Keypad and Proximity Reader [pdf] User Manual
DG500, Digital Keypad and Proximity Reader