AC Powered Traffic Light Connections

⚠ CAUTION

Draw on accessory terminals cannot exceed 1A. If higher amp draw is required, use a separate power supply.

Use Relay 1 Logic to connect traffic lights to the StrongArmPark DC.

Set to 3, Relay 1 becomes active when an open limit is triggered and deactivates when the open limit is released or a close command is received.

After connecting AC power and the traffic light wires to the Smart DC Controller, take the following steps to configure Relay 1 Logic in the Installer Menu.
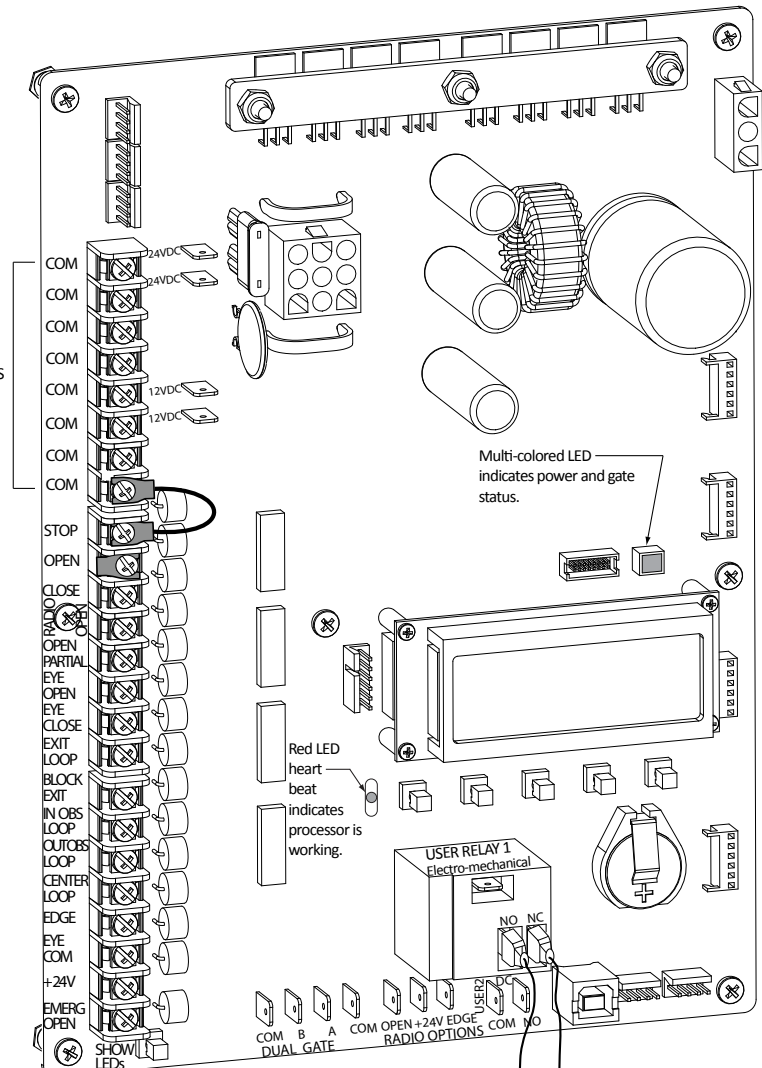
Access the Installer Menu.

While a static Run Mode code is being displayed, press the MENU button twice. (Bypasses the operator status displays.)

When the Close Timer display appears:

1. Access the Installer Menu by simultaneously pressing and holding the RESET and OPEN buttons.

2. Release both buttons to access Menu / Program Mode.

3. Press PREV until the R1, RELAY 1 LOGIC appears in the display.

4. Press SELECT which causes R1 to blink.

5. Press NEXT until R1 3 OPEN LIMIT appears in the display.

6. Press SELECT. R1 stops blinking indicating your setting has been accepted.

7. To return to RUN / Operate mode, press MENU.

NOTE: Installer Menu options can also be configured through the use of a laptop computer and the S.T.A.R.T. software.

Set Relay 1 Logic

Electro-mechanical User 1 Relay

N.O. wire to Green / Amber Traffic Light

N.C. wire to Red Traffic Light

Wiring Connections			
30VDC, 10A		277VAC, 10A	
Smart DC	Traffic Light	Smart DC	Traffic Light
N.C.	Red Light	N.C.	Red Light
N.O.	Green (amber)	N.O.	Green (amber)
COM	COM (DC Ground)	COM	COM (AC Neutral)

Scan QR code for Smart Phone access to HySecurity website information.

Tech Support: 800-321-9947

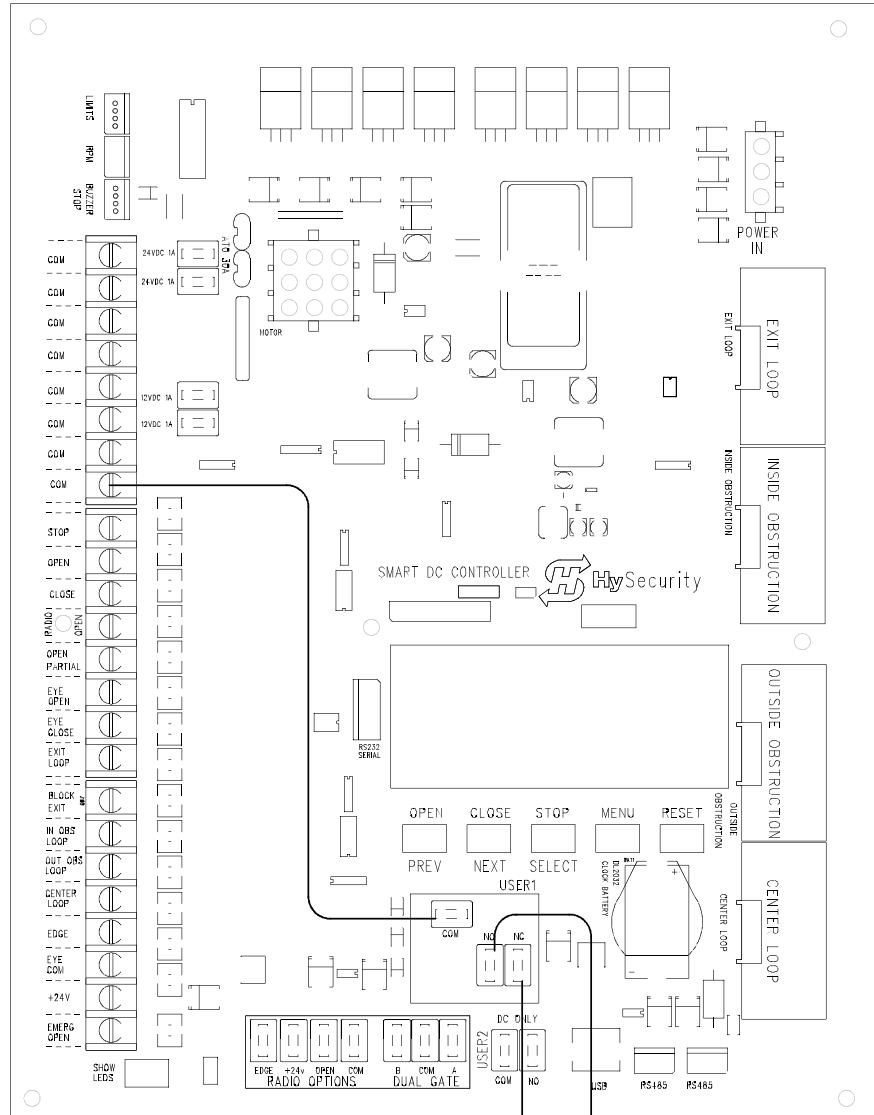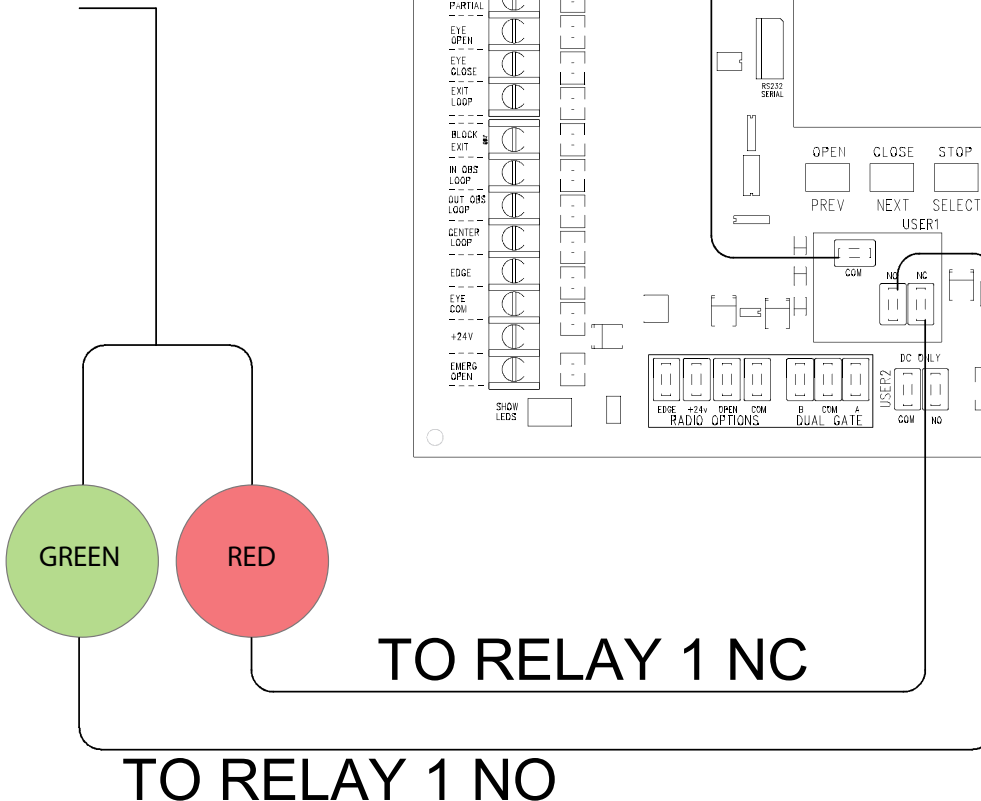# DRAW ON ACCESSORY TERMINALS CANNOT EXCEED 1AMP.
IF HIGHER AMP DRAW IS REQUIRED,
USE A SEPARATE POWER SUPPLY

SET RELAY 1 LOGIC FOR
OPTION 3
OPEN LIMIT OUTPUT

AC & DC CONNECTIONS
REQUIRE A SEPARATE
POWER SUPPLY 30VDC,
10A

VAC SPEC:277VAC, 10A

OUT TO
AC OR DC
POWER
SUPPLY

Not to Scale

GREEN   RED

TO RELAY 1 NC

TO RELAY 1 NO

Wiring Diagram for StrongArmPark DC
D0656 Rev A