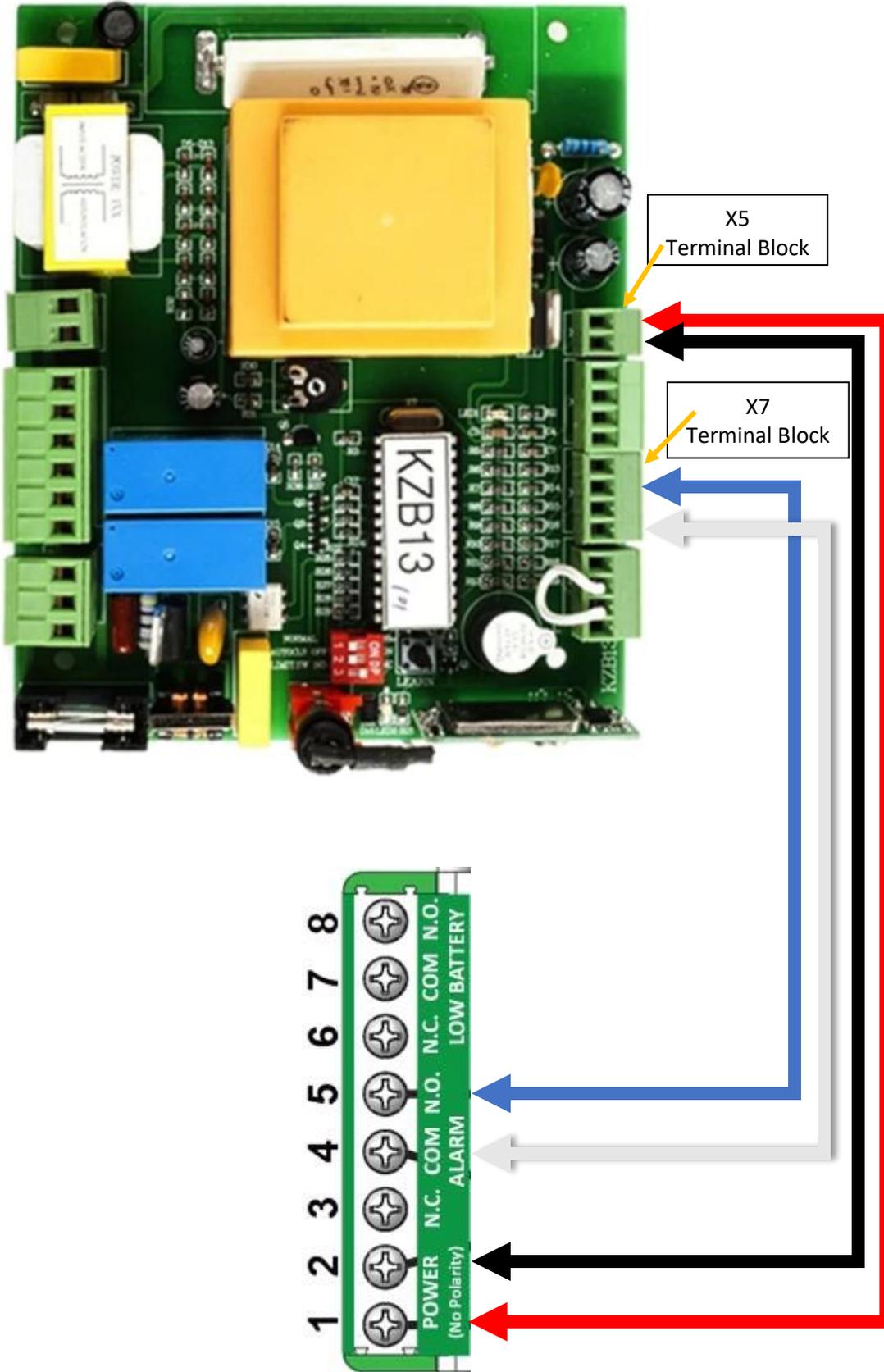


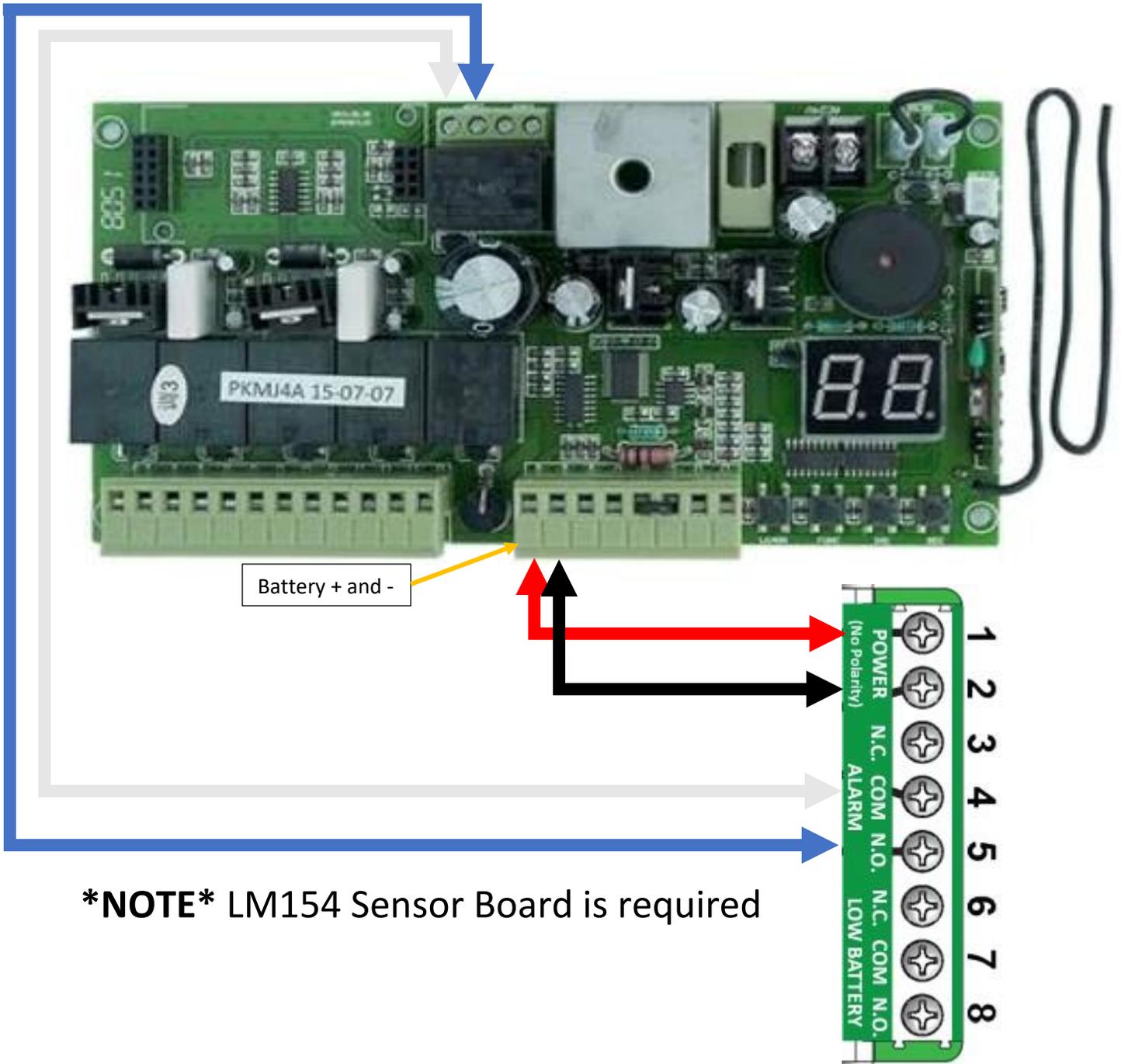
# Aleko AC1400

**\*NOTE\*** If powering operator via solar panels, be sure to compensate for the 25mA standby current draw of the CW-INT



# Aleko AS/GG Boards

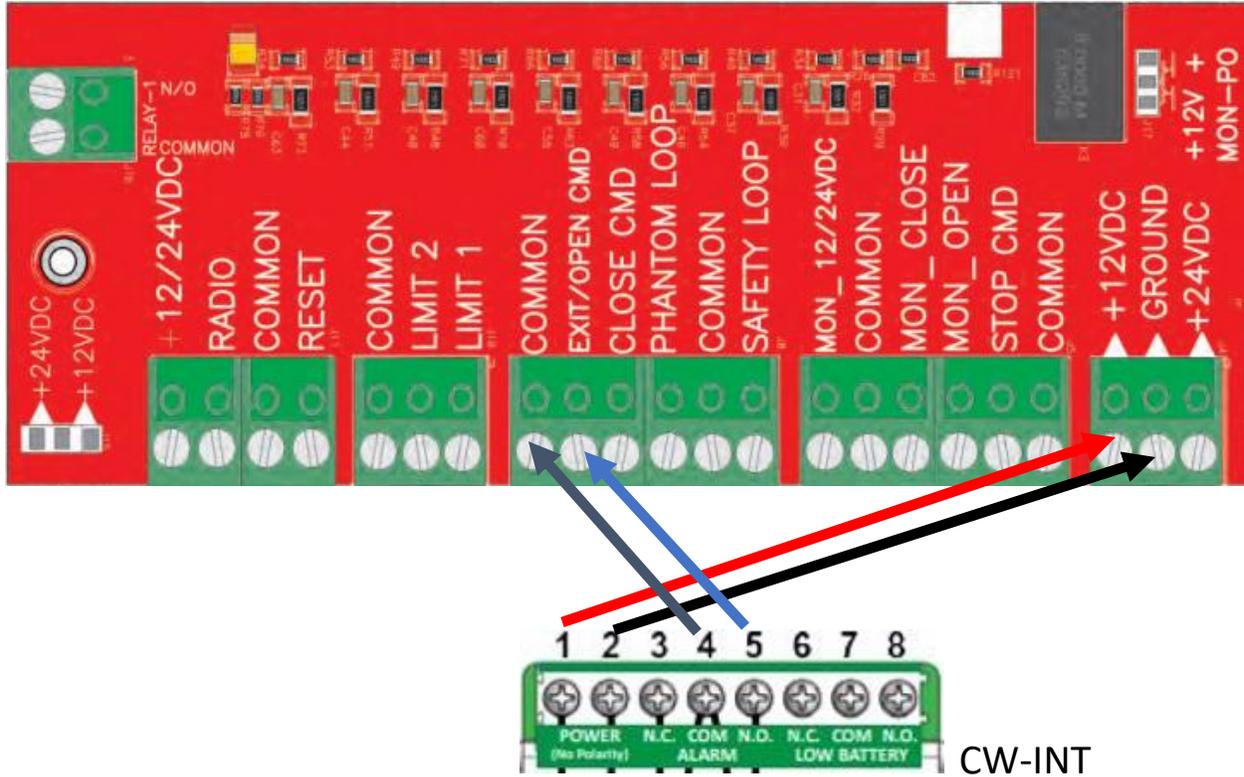
**\*NOTE\*** If powering operator via solar panels, be sure to compensate for the 25mA standby current draw of the CW-INT



**\*NOTE\*** LM154 Sensor Board is required

# CW-SYS to All-O-Matic SW-300DC, SW-325DC, & SW-350DC

\*Note\* If powering operator via solar panels, be sure to compensate for the 25mA standby current draw of the CW-INT



CW-INT

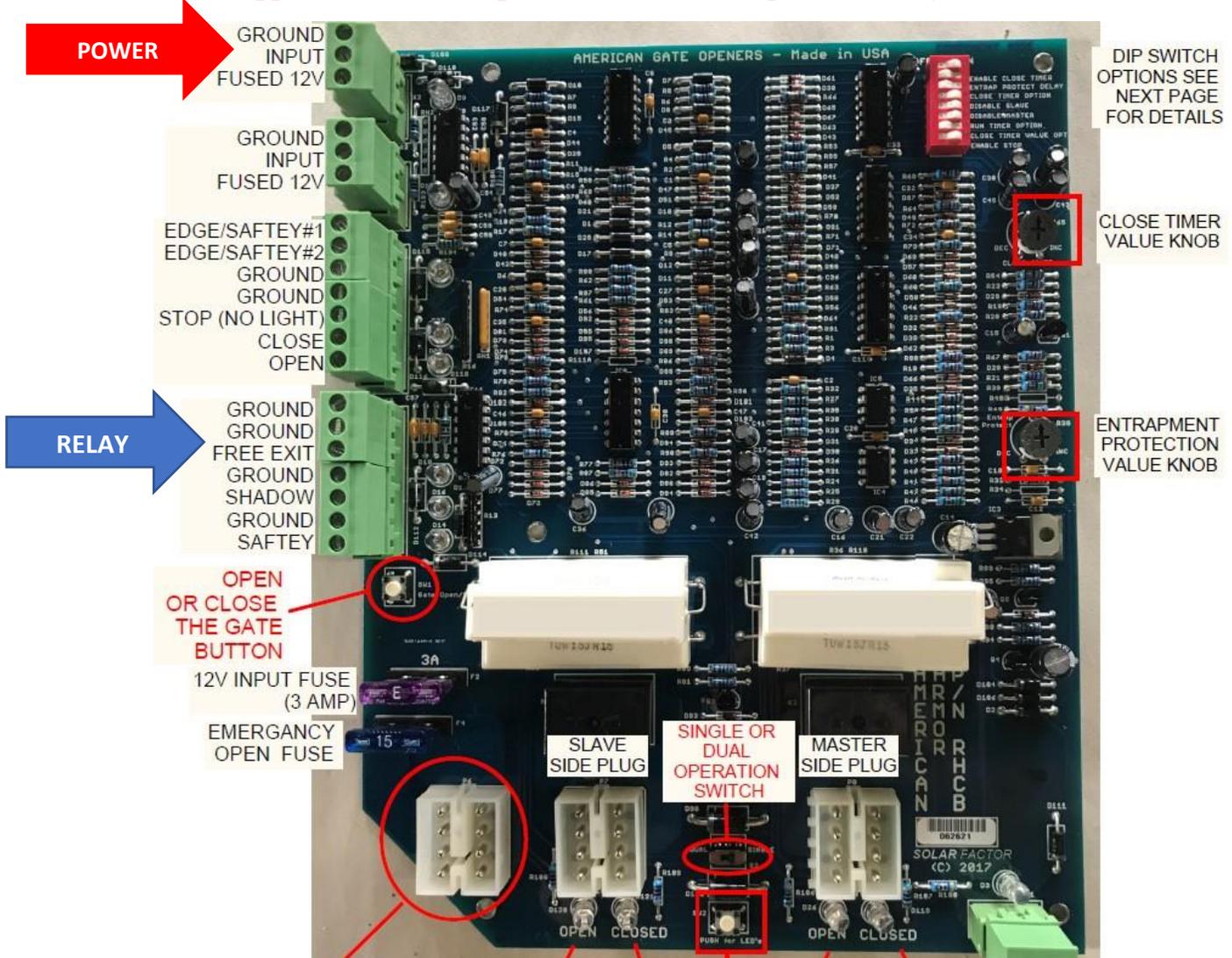
Terminals 1 & 2 are power 8-24 VAC or 8-28 VDC.

Terminal 4 is relay common.

Terminal 5 is normally open.

# CW-SYS to American Armor (AAP Board)

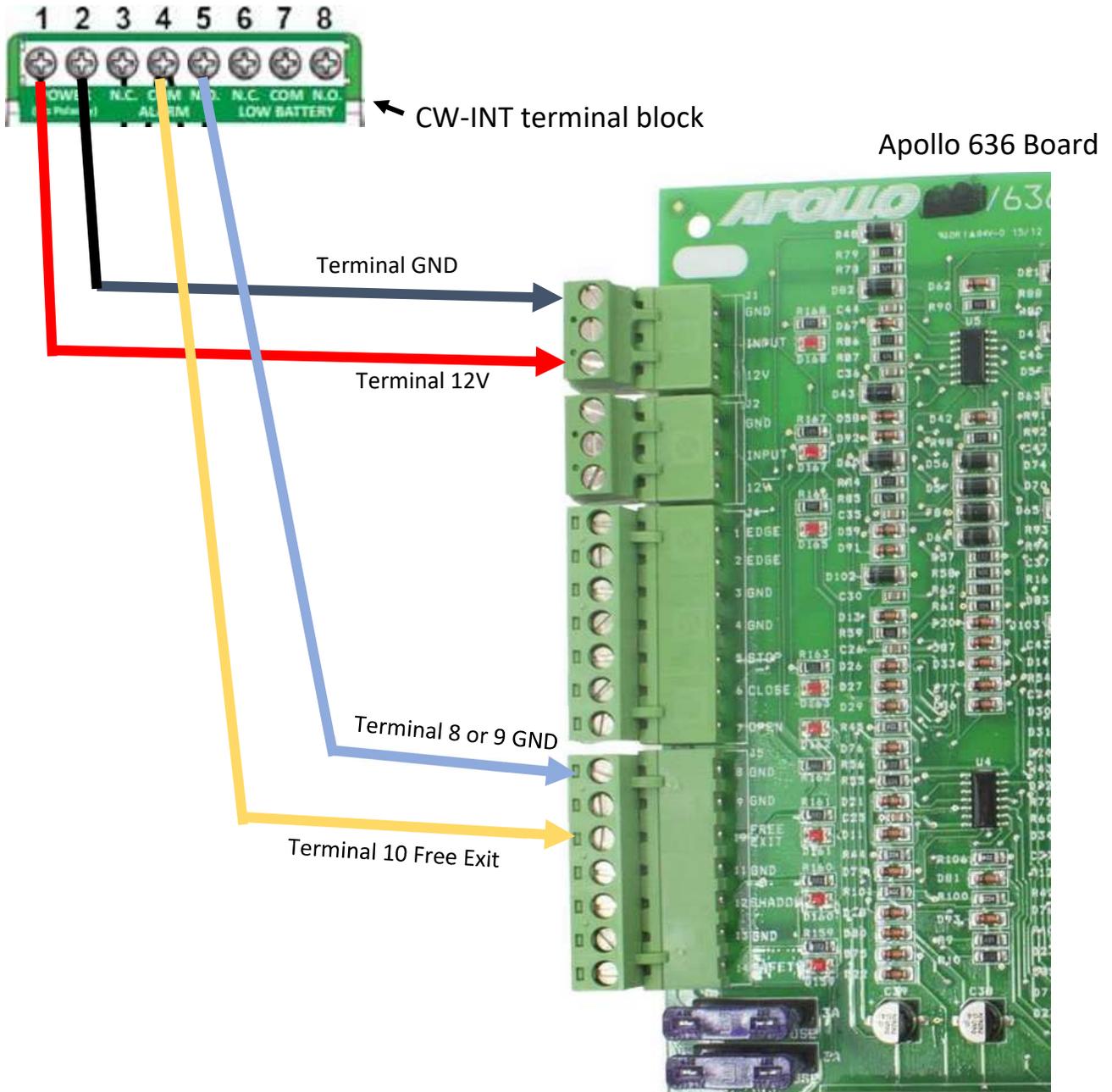
(Solar application must compensate for 25 Milliamp mA stand-by current draw)



- Terminal 1 to 12V
- Terminal 2 to Ground (GND)
- Terminal 4 Relay Common to GND
- Terminal 5 Relay Open to Free Exit

# How to connect a Cartell CW-SYS to an Apollo 636 Board

Connect the Cartell Integrator (CW-INT) which is part of the CW-SYS, as outlined below:



**Note:** You can also get power from block J2 if J1 is full.

# CF-2C and CW-SYS Wiring Diagram

The CW-SYS unit can be used to replace the CT-6 probe on a CF-2C system. Follow the instructions below to complete the installation.

Connect the wires to the following terminals:

## CF Board

Terminal 6 (VDC OUT) to  
Terminal 15 or 16 (GRD) to  
Terminal 17 to  
Terminal 19 to

## Integrator

Terminal 1 (Power Input)  
Terminal 2 (Power Input)  
Terminal 4 (COM)  
Terminal 5 (NO)

You may also choose to power the Integrator with a separate power supply.

CW-SYS = Dual Purpose Wireless System

CW-REP = Wireless Repeater

CW-PSU = Power Supply

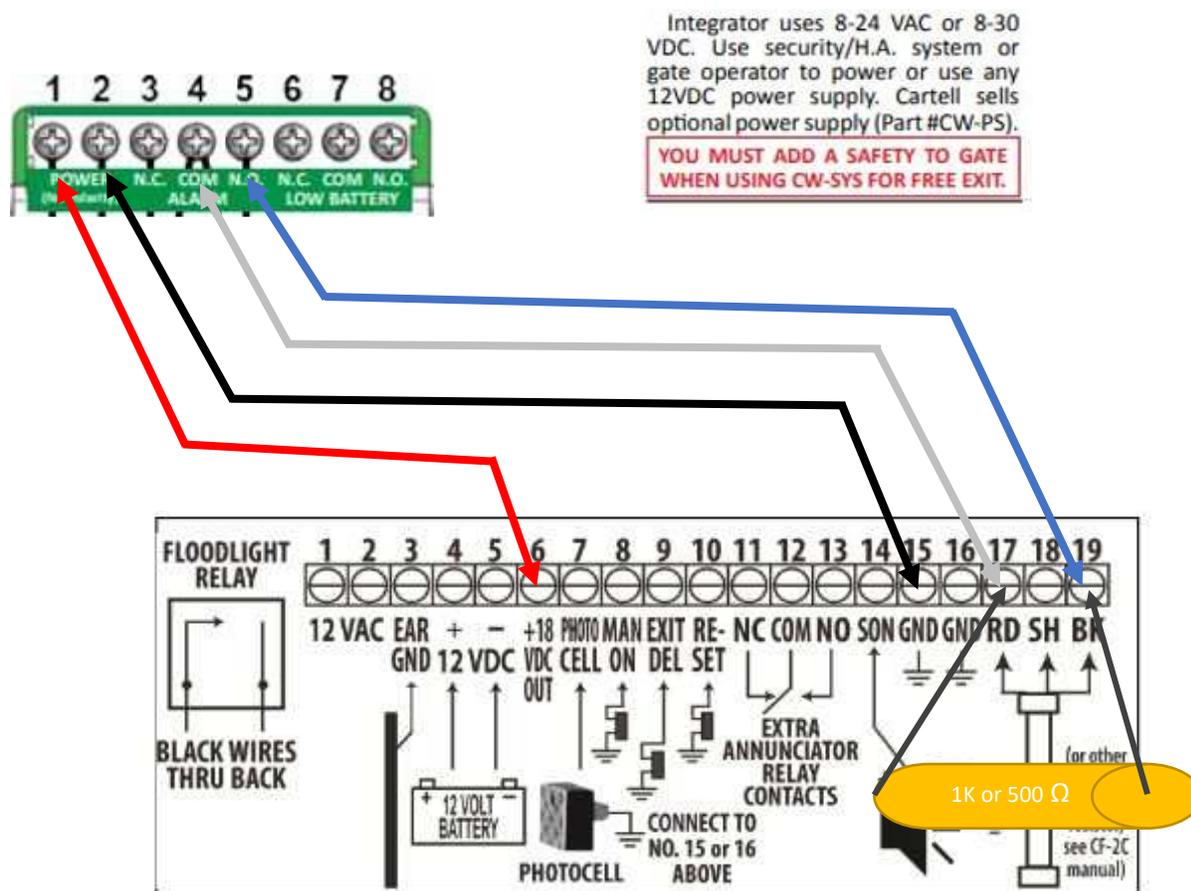


Figure 2

**Connect a resistor between terminals 17 and 19. 500 or 1K ohms would be fine. That will assist in eliminating a probe fault alarm.**

# CT-2B and CW-SYS Wiring Diagram

The CW-SYS unit can be used to replace the CT-6 probe on a CT-2B system. Follow the instructions below to complete the installation.

Connect the wires to the following terminals:

## CT Board

Terminal 3 (VDC OUT)  
Terminal 8 (GRD)  
Terminal 10  
Terminal 12

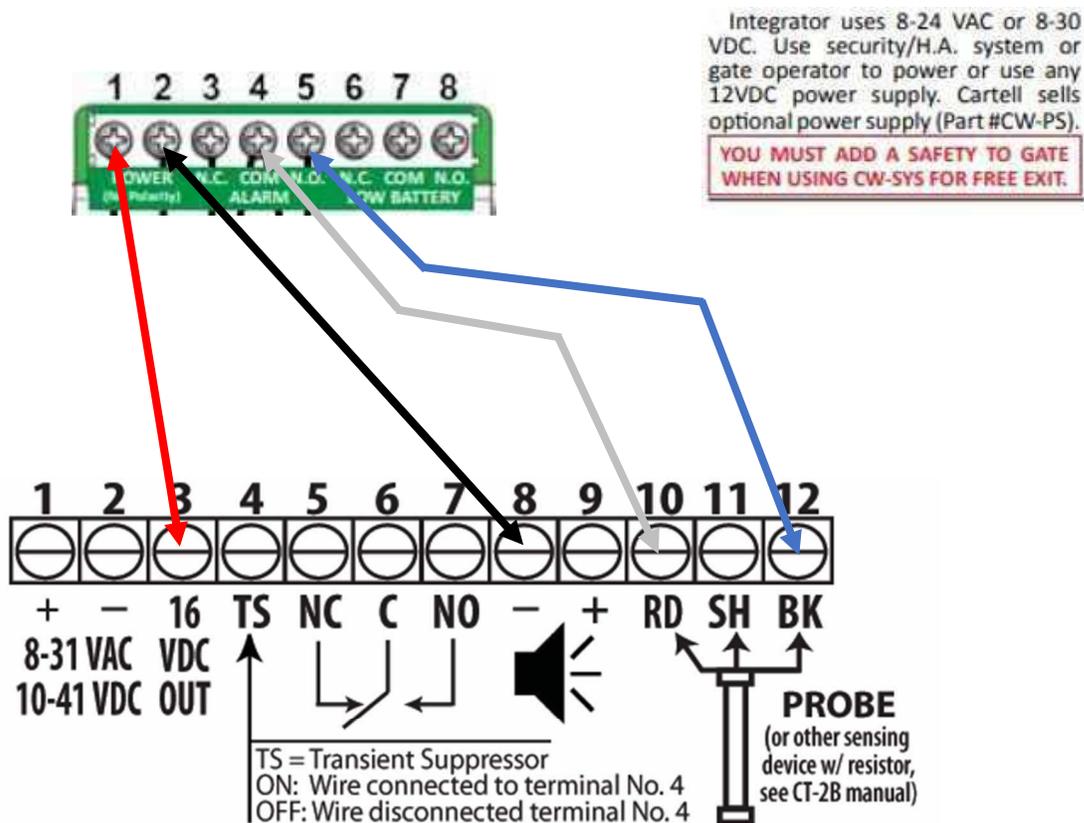
to  
to  
to  
to

## Integrator

Terminal 1 (Power Input)  
Terminal 2 (Power Input)  
Terminal 4 (COM)  
Terminal 5 (NO)

You may also choose to power the Integrator with a separate power supply within range: **8-24 VAC or 8-28 VDC**.

CW-SYS = Dual Purpose Wireless System  
CW-SEN = Wireless Sensor only  
CW-INT = Wireless Integrator only  
CW-REP = Wireless Repeater  
CW-PSU = Power Supply

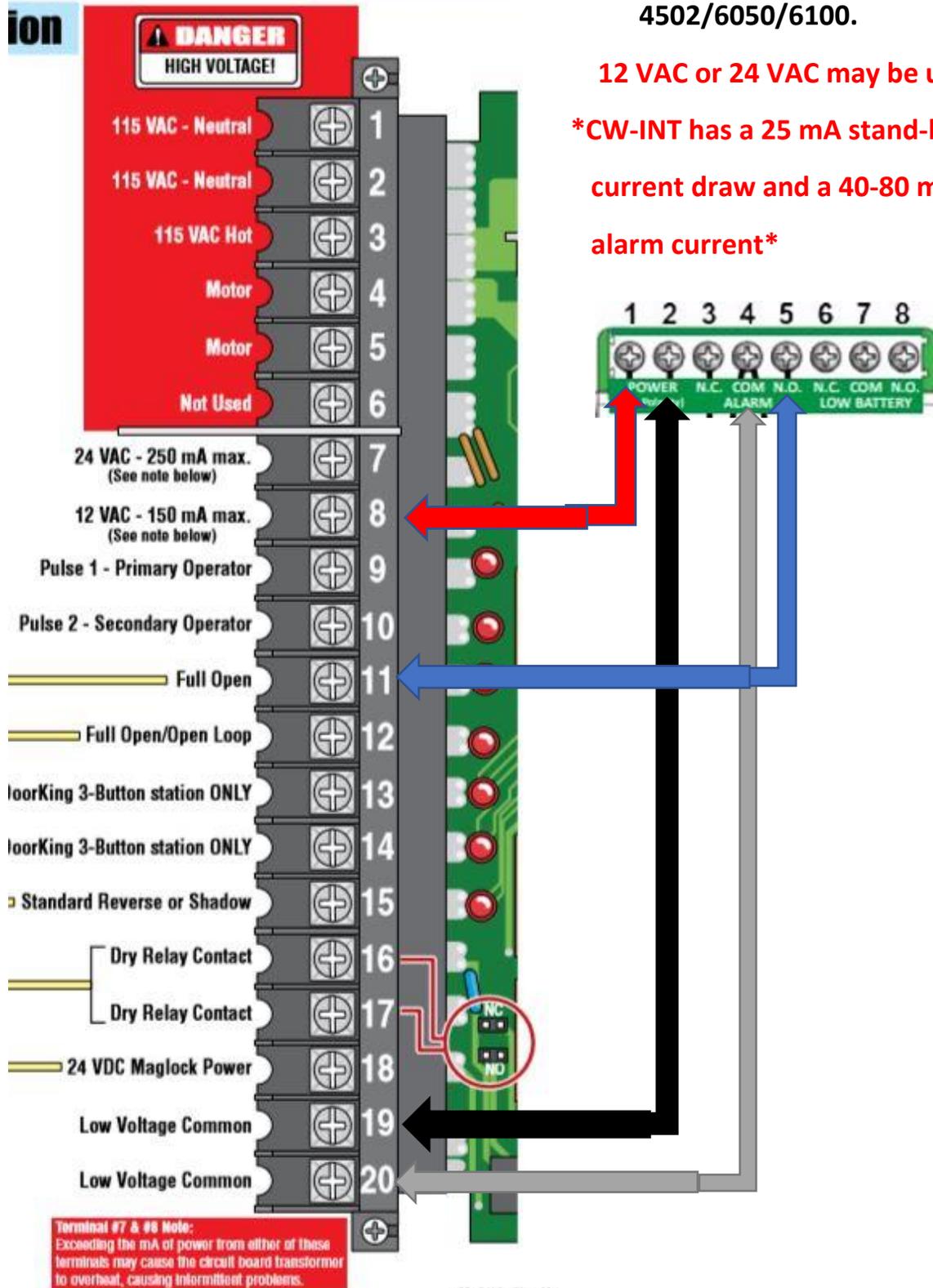


**FIELD ADJUSTMENTS**  
"A" = RELAY TIME: ½ - 15 sec. (CW to increase)  
"B" = PROBE SENSITIVITY (CW to increase)



# 4 - WIRING

ion



## CW-SYS to FAAC 400

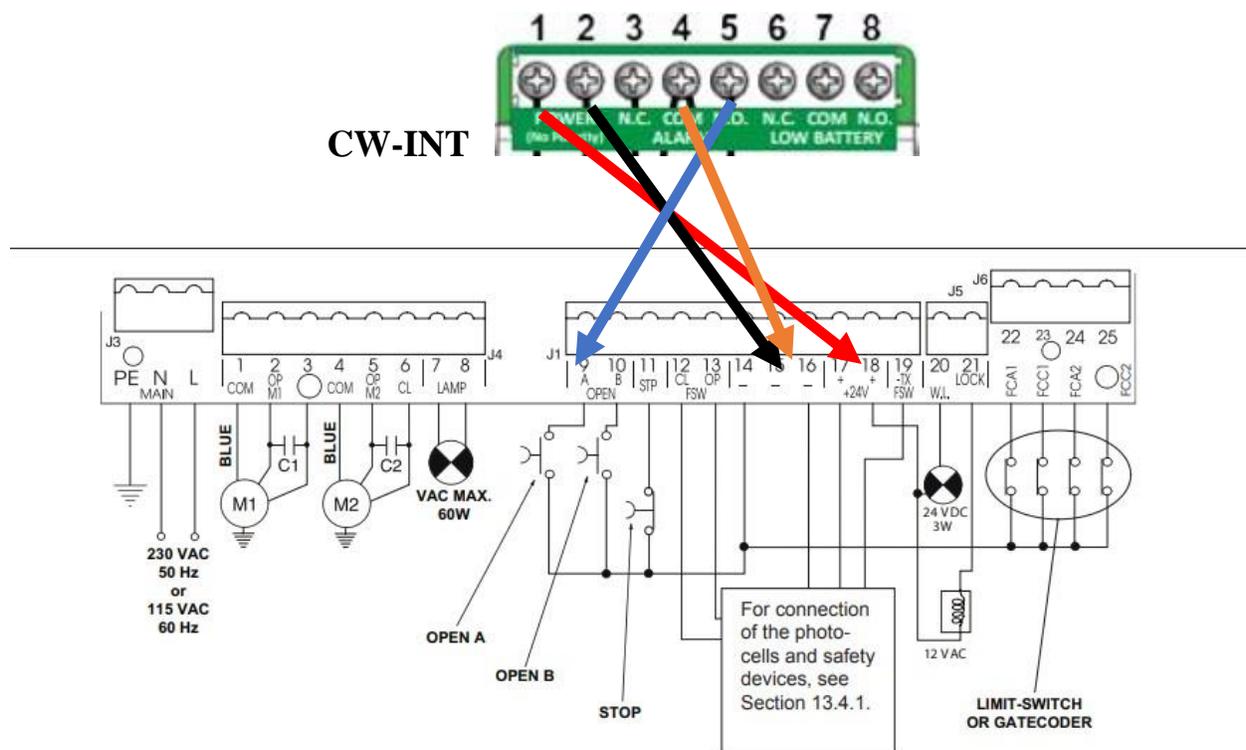
CW-INT Terminal 1 to Terminal 17 or 18 (+24)

CW-INT Terminal 2 to Terminal 16 (-). Note 14 or 15 will work as well.

CW-INT Terminal 5 to Terminal 9 Open A.

CW-INT Terminal 4 to Terminal 14 (-). Note 15 or 16 will work as well.

**\*NOTE\*** CW-INT Terminals 2 & 4 need to be on separate Terminals 14-16. Do not connect to the same terminal on FAAC.



CW-INT power input is 8-24 VAC or 8-28 VDC.

## Wiring diagram for CW-SYS to GT Master Intelligent Control Board

Integrator (CW-INT) is connected to the control board via low voltage wires.

### 4.3.5.1 Intelligent control board

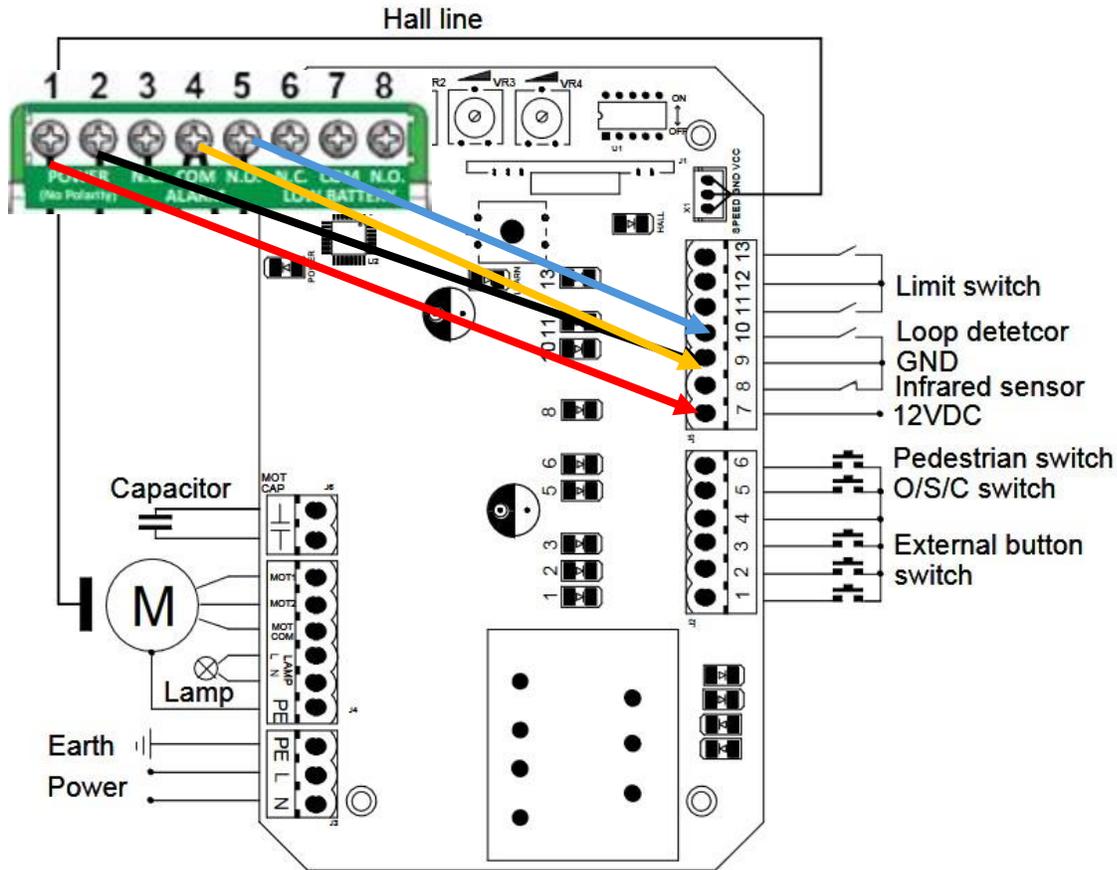


Figure 15

**Wiring instruction:**

#### Integrator Terminal

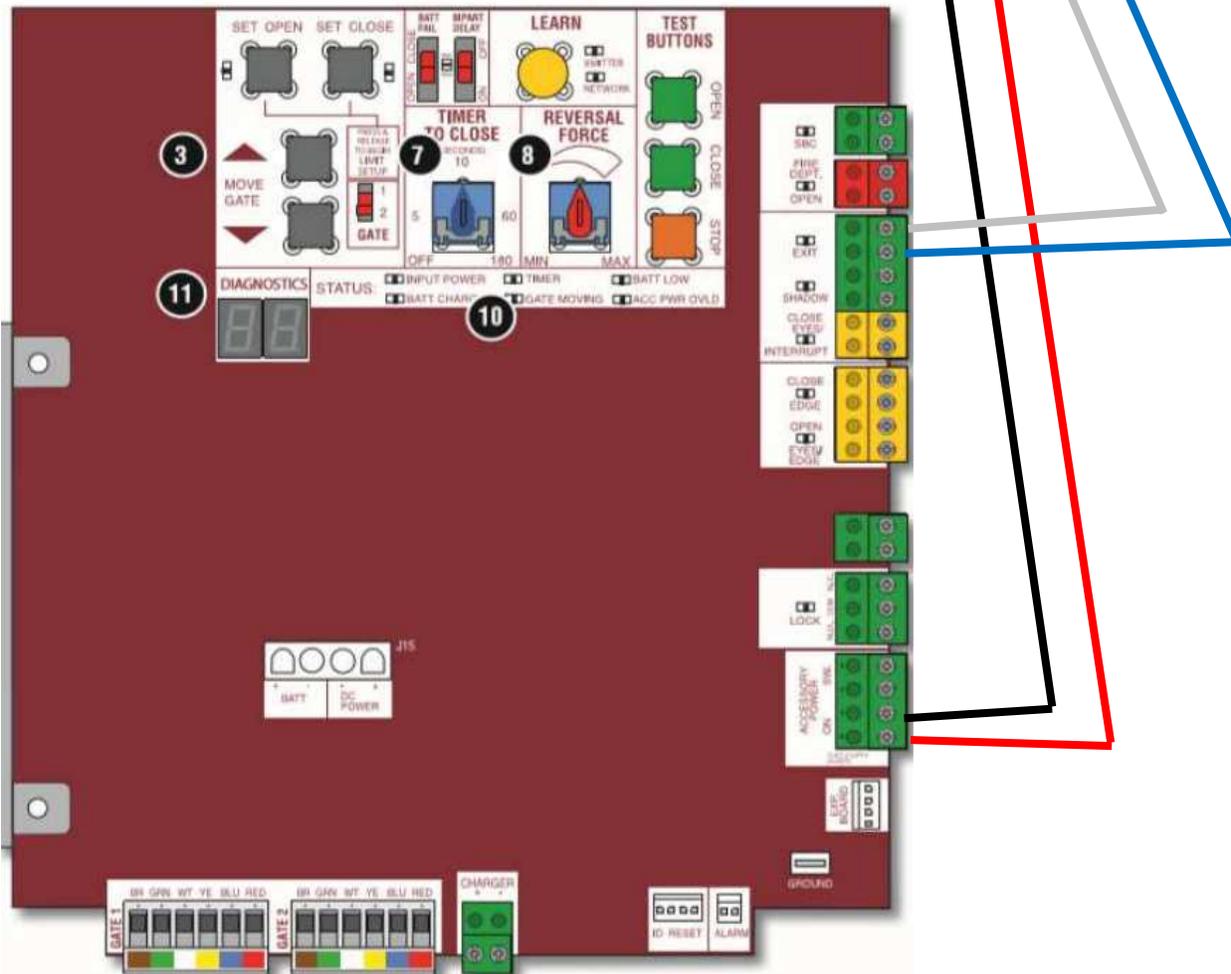
- #1 Power
- #2 Power
- #4 Relay Common (COM)
- #5 Normally Open (NO)

#### Operator Board

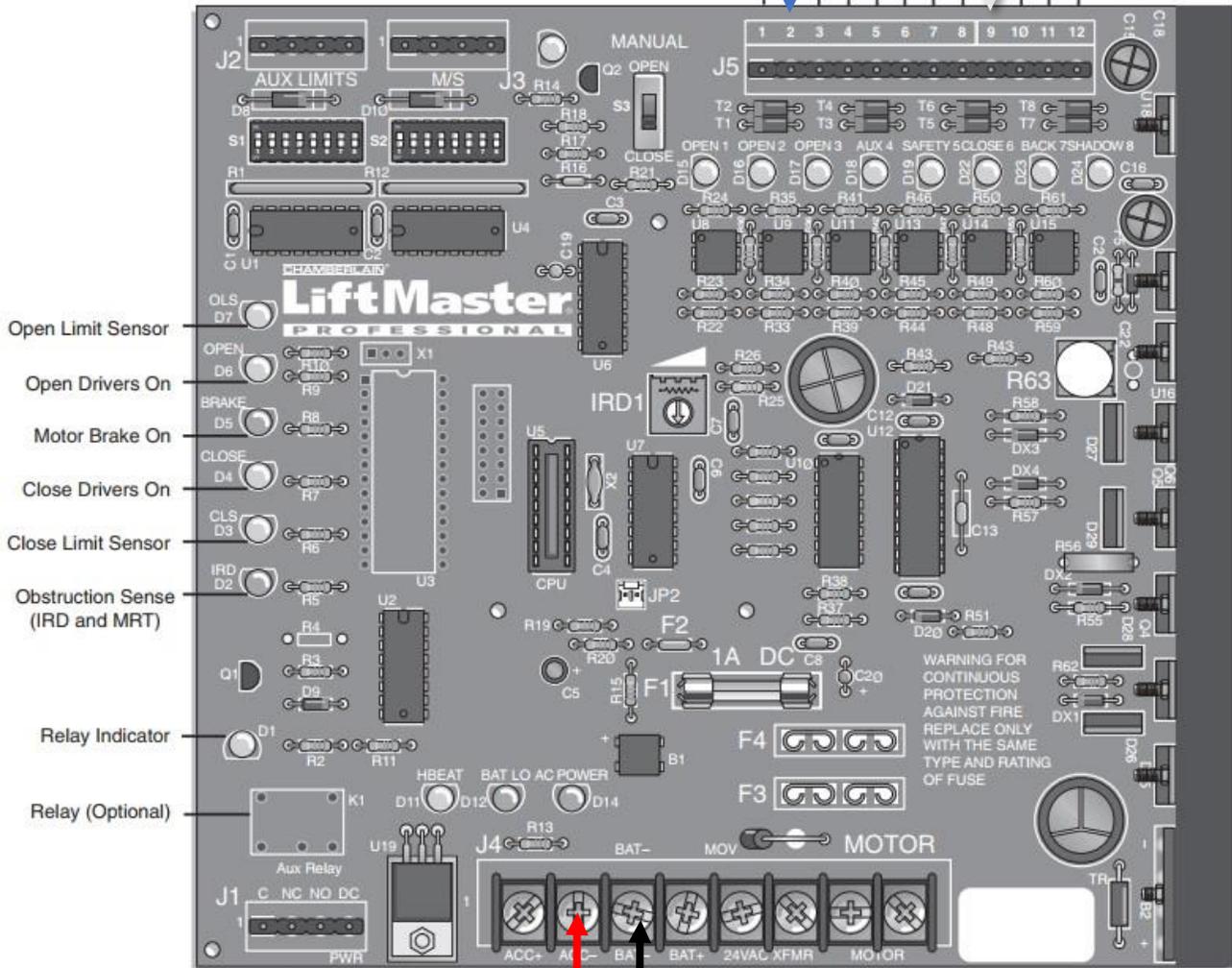
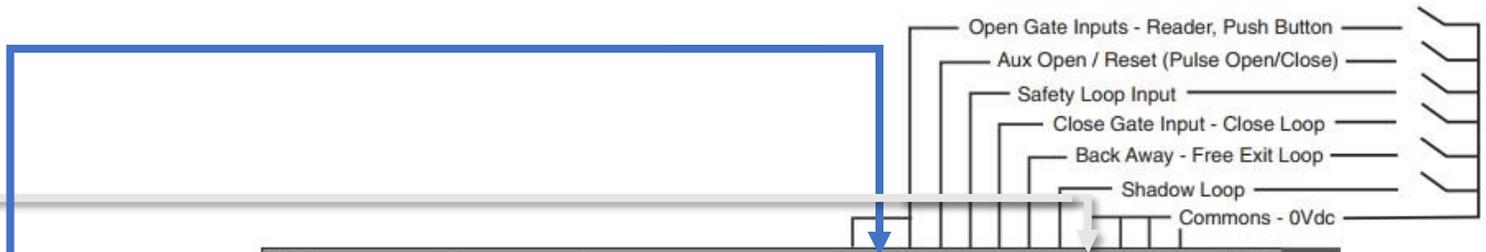
- # 7 +12V
- #9 Ground (GND)
- #9 Ground (GND)
- #10 Loop Detector (NO)

# CW-SYS to LA-500 Connection

Power connection (Terminals 1 & 2) are not polarity sensitive, can be either way. Can also be powered by any other constant power source within range: 8-24 VAC or 8-28 VDC.



# CW-SYS to LA-MSWDCBB



- Open Limit Sensor
- Open Drivers On
- Motor Brake On
- Close Drivers On
- Close Limit Sensor
- Obstruction Sense (IRD and MRT)
- Relay Indicator
- Relay (Optional)

K1 Relay Terminals (Optional)  
 24Vdc (Regulated)  
 BLK RED YEL YEL BLU ORG



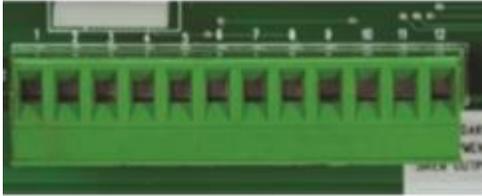
- 1 to ACC +
- 2 to ACC -
- 4 to 9, 10, 11, or 12
- 5 to 1, 2, or 3

If this is a solar application, you will need to compensate for the 25mA standby current of the integrator.

## CWSYS to US Automatic Patriot.

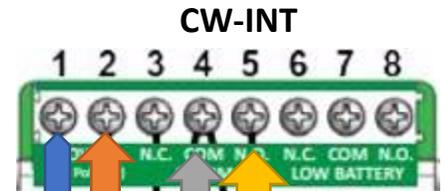
(Solar application must compensate for 25 Milliamp mA stand-by current draw)

“J2” Terminal Block:



CW-INT Terminals 1 & 2 are power.

CW-INT Terminals 4 & 5 provide the relay closure.



Terminal	
<b>1</b>	+12 vdc Output <i>(Maximum current output 1.5 amp - 1500 milliamps)</i>
<b>2</b>	Common Ground Input -12 vdc
<b>3</b>	Push Button Input <i>(normally open contacts)</i> <i>(Push button, radio control, keypad, etc.)</i>
<b>4</b>	Open Safety Edge <i>(normally open contacts)</i> <i>(Stops gate when opening)</i>
<b>5</b>	Close Input <i>(normally open contacts)</i>
<b>6</b>	Contact Edge N/O connection monitored entrapment <i>DS2 switch 4 must be ON when monitored edge is connected or when</i> <i>*Secondary Entrapment Input is connected when in pre 2016 configuration</i>
<b>7</b>	Common Ground Input -12 vdc
<b>8</b>	Photo Eye N/C connection monitored entrapment <i>DS1 switch 8 must be on when monitored eye is connected</i> <i>*Not used in pre 2016 configuration</i>
<b>9</b>	Free Exit / Open Input <i>(normally open contacts)</i> <i>Loop input or any hold open input such as a 7-day timer, telephone access</i> <i>unit, or maintain contact switch (normally open contacts). The</i> <i>open the gate and will prevent the gate from closing if the contacts</i> <i>maintained. Once the contacts have been released, the gate can be closed</i> <i>with a closed signal device or the automatic close timer feature. Receiver</i> <i>relay2 pre-wired for latching open.</i>
<b>10</b>	Center Loop or Under Gate Loop Input <i>(normally open contacts)</i>
<b>11</b>	Safety Loop / Photo-eye / Reversing Edge Input used for vehicular protection devices. <i>(normally open contacts)</i>
<b>12</b>	Photo Eye Power +12 vdc output 1 amp max current <i>Only present when DS1 switch 10 is ON and gate is moving or DS1 switch 3 and 4 are</i> <i>OFF and DS1 switch 10 is ON used for installation.</i>

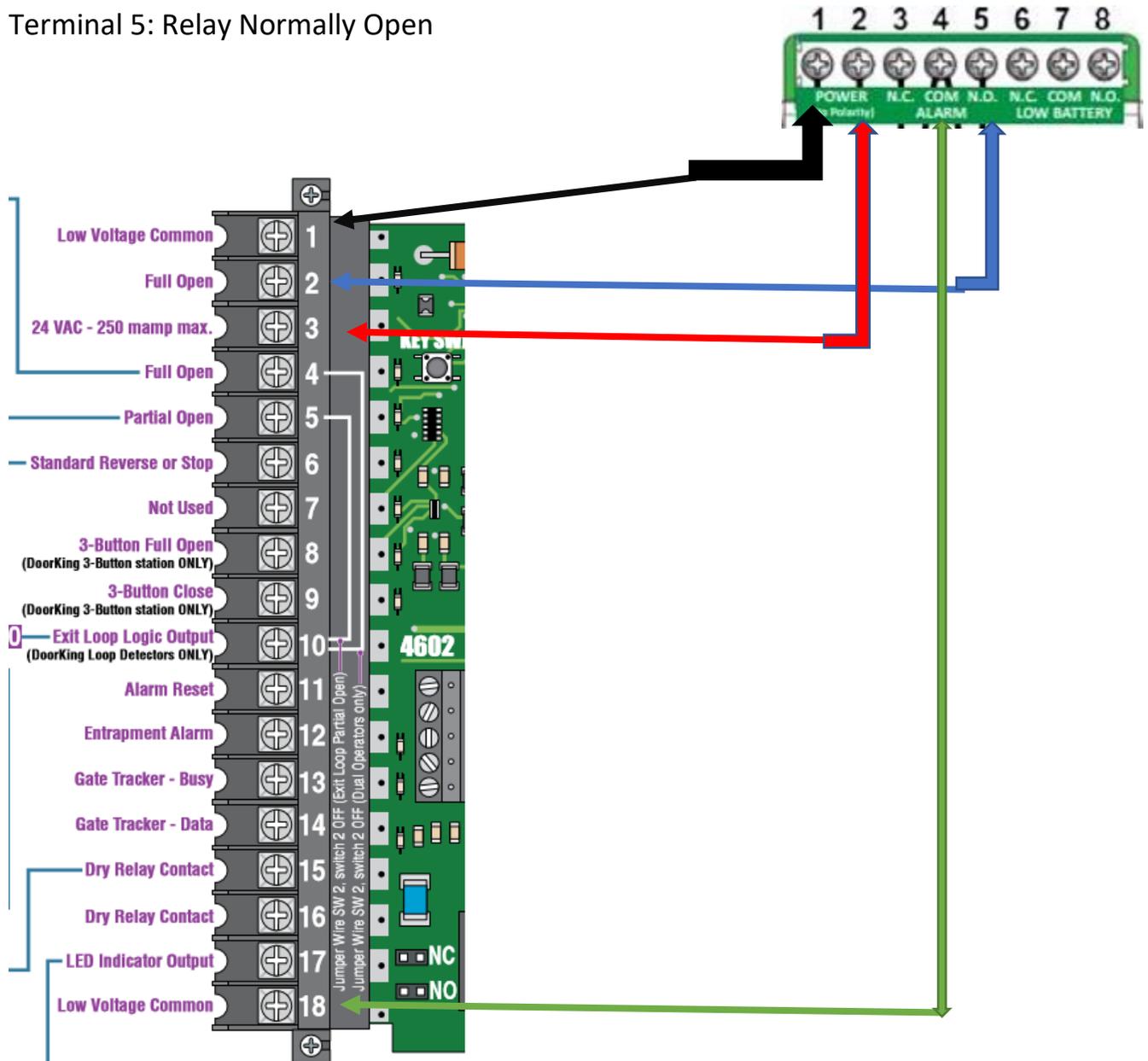
# CW-SYS to DoorKing 9150 Control Panel

## CW-INT

Terminals 1 & 2 are AC/DC input power.

Terminal 4: Relay Common

Terminal 5: Relay Normally Open



## Wiring CWSYS to Viking R-6

CW-INT terminals 1 & 2 are AC/DC input power (8-24 VAC, 8-28 VDC). Terminals 4 & 5 provide the relay closure to open the gate.

