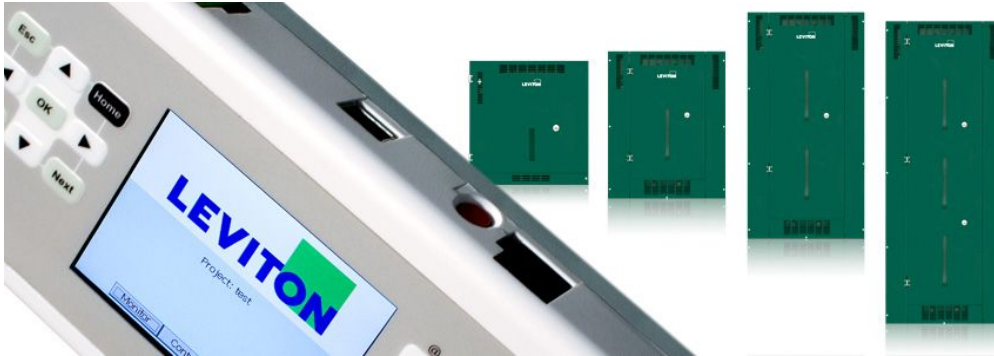


# GreenMAX Connection Guide

LEVITON LIGHTING & ENERGY SOLUTIONS



**GreenMAX® Relay Control Panels are built by the industry, for the industry. The GreenMAX system provides maximum protection with the industry leading Short Circuit Current Rating (SCCR) of 25,000A at 277VAC.**

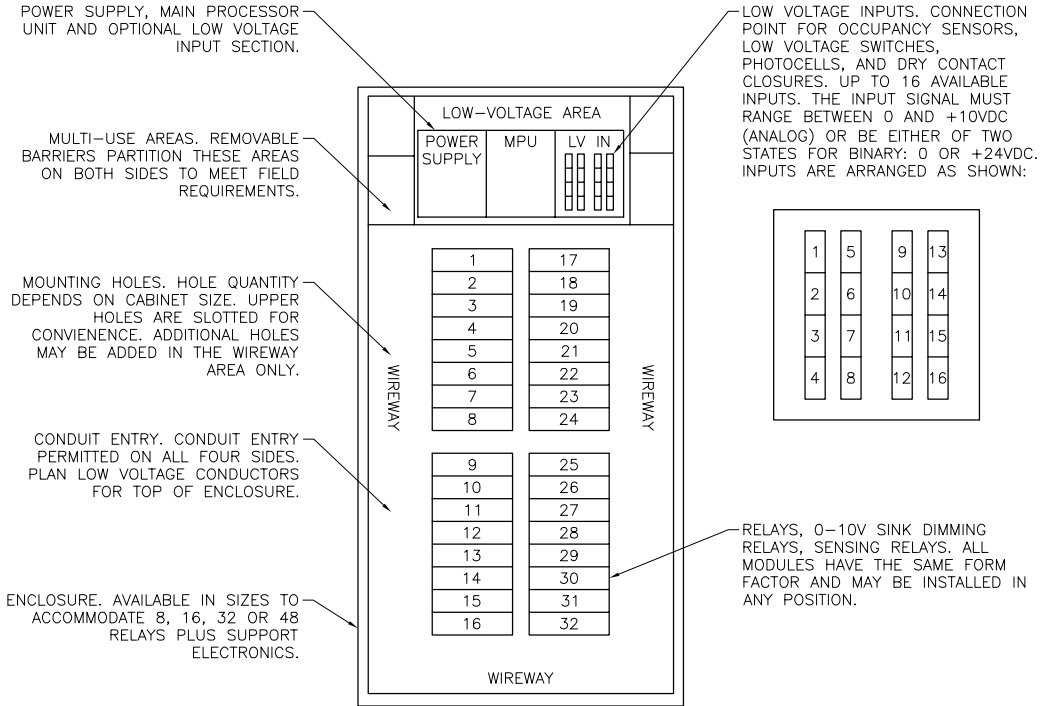
## GreenMAX Typical Connection Scenarios

This guide is a quick way to find GreenMAX relay panel layout and system integration details. It includes the most frequently needed connection details for GreenMAX panels, relays, and control stations. There are also details that include connection of GreenMAX to single occupancy sensors, multiple occupancy sensors with power packs, photocells, and other devices. It is not an all-inclusive manual and does not present all features and limitations of the GreenMAX family of devices and ancillary equipment. Consult product literature for more information.

**GreenMAX offers many options that can be configured to meet all your building infrastructure needs. Ask us about all the ways we can help you create an ideal system.**

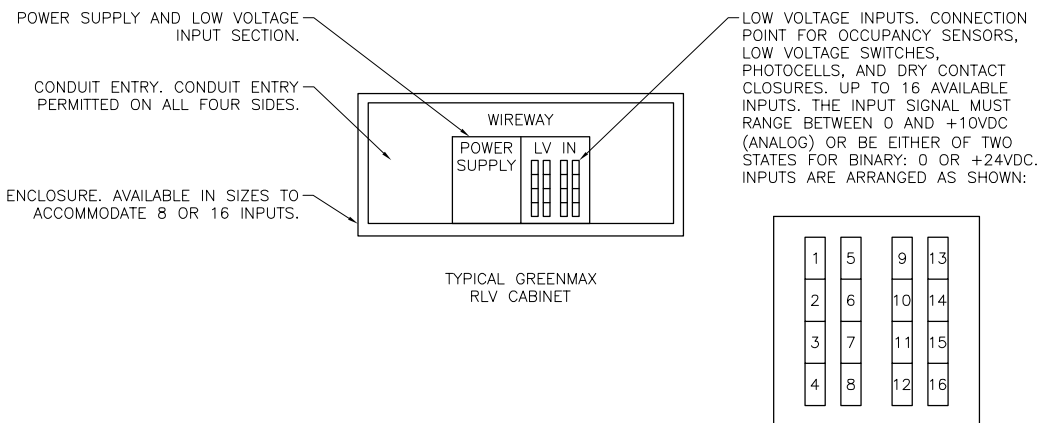
# GREENMAX RELAY CABINET COOKBOOK

GREENMAX  
RELAY PANEL INSTALLATION  
OVERVIEW



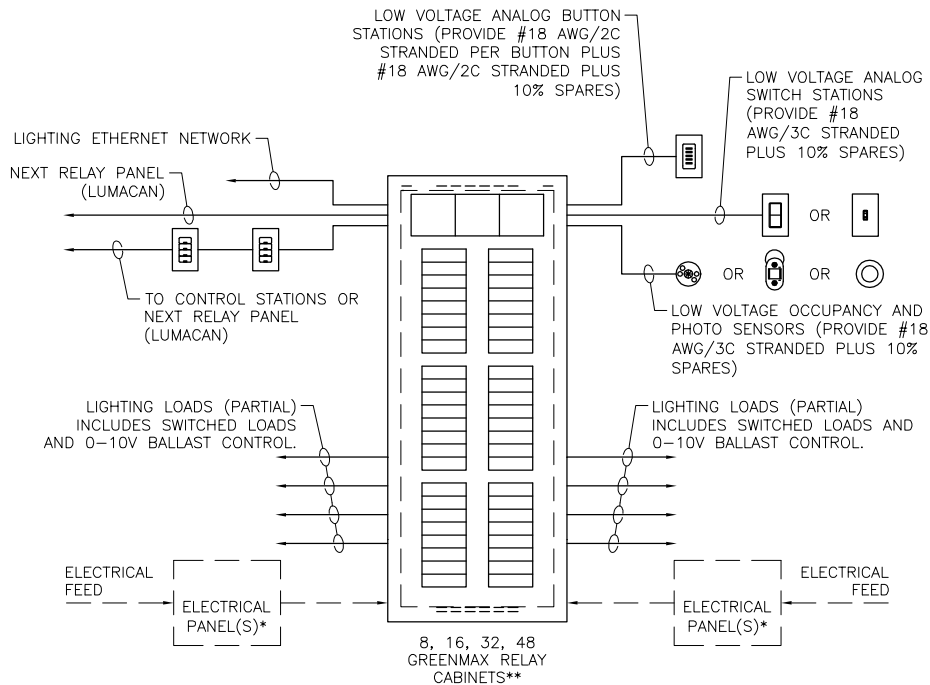
TYPICAL GREENMAX  
RELAY CABINET

GREENMAX  
RLV PANEL INSTALLATION  
OVERVIEW



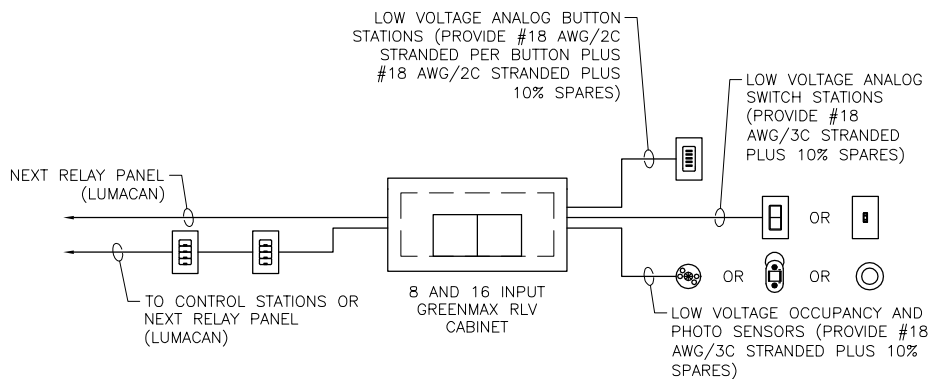
TYPICAL GREENMAX  
RLV CABINET

GREENMAX  
RELAY PANEL SYSTEM  
INTERCONNECTIONS ONE-LINE



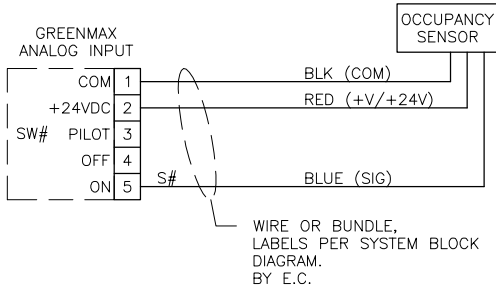
\* BEST PRACTICES TO FEED SAME SIDE AS LOAD RELAY(S).  
CABINET HAS BOTTOM WIREWAY CONNECTING SIDE WIREWAYS.  
\*\* CONSULT FACTORY DOCUMENTS FOR LOADING WITH EMERGENCY AND NORMAL CIRCUITS.

GREENMAX  
RLV PANEL SYSTEM  
INTERCONNECTIONS ONE-LINE



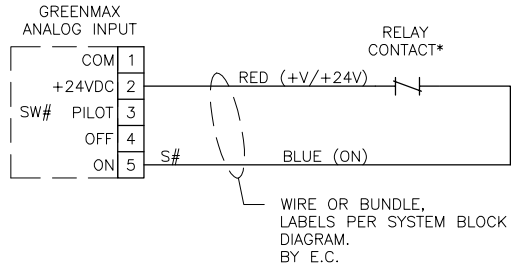
# GREENMAX RELAY CABINET COOKBOOK

OCCUPANCY SENSOR\* TERMINATED TO GREENMAX INPUT



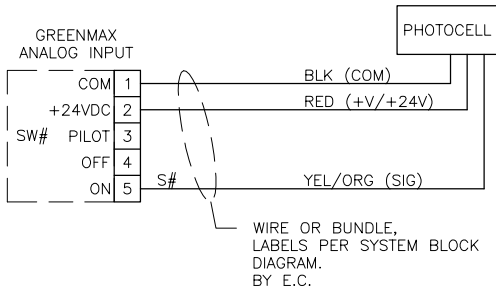
\* MORE THAN ONE SENSOR TO A SINGLE INPUT AND HIGHBAY SENSORS REQUIRE EXTERNAL POWER.

DRY CONTACT CLOSURE\* TERMINATED TO GREENMAX INPUT



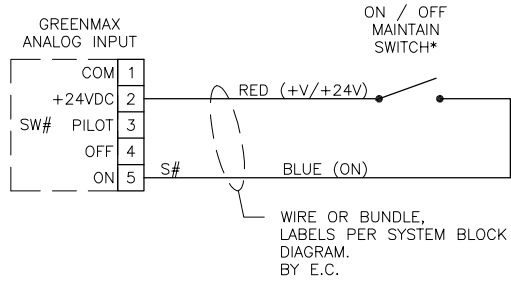
\* CLOSURE MAY BE NORMALLY-OPEN OR NORMALLY CLOSED AND TERMINATED TO "ON" OR "OFF". CABINET PROGRAMMING REQUIRED.

PHOTOCELL SENSOR\* TERMINATED TO GREENMAX INPUT



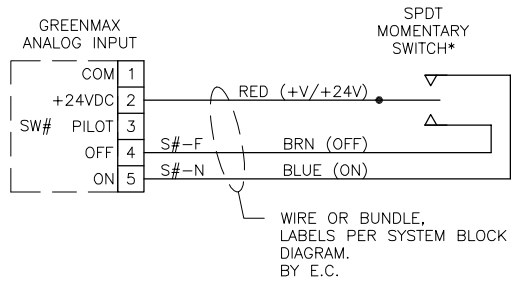
\* LIMIT ONE PHOTOCELL SENSOR PER INPUT.

MAINTAIN SWITCH TERMINATED TO GREENMAX INPUT



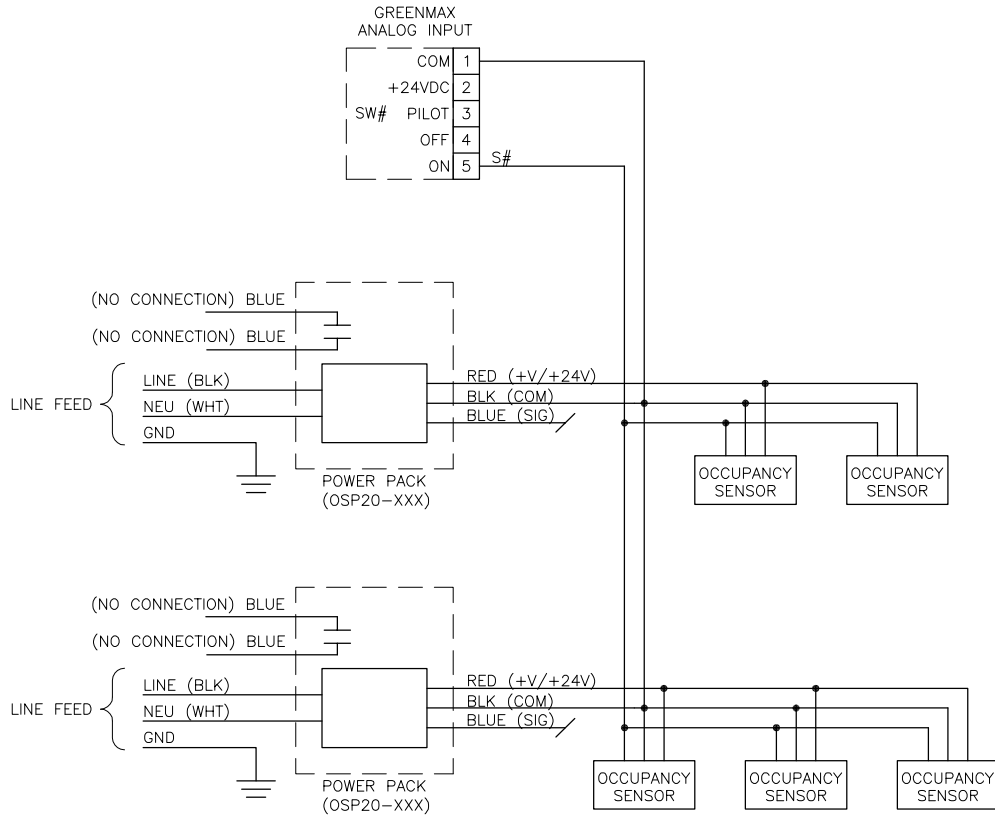
\* 3- AND 4-WAY SWITCH OPERATION REQUIRES SWITCH POLE AND LOW VOLTAGE CONDUCTOR CONFIGURATION SIMILAR TO STANDARD LINE VOLTAGE 3- AND 4-WAY SWITCHES.

MOMENTARY SWITCH(ES) TERMINATED TO GREENMAX INPUT



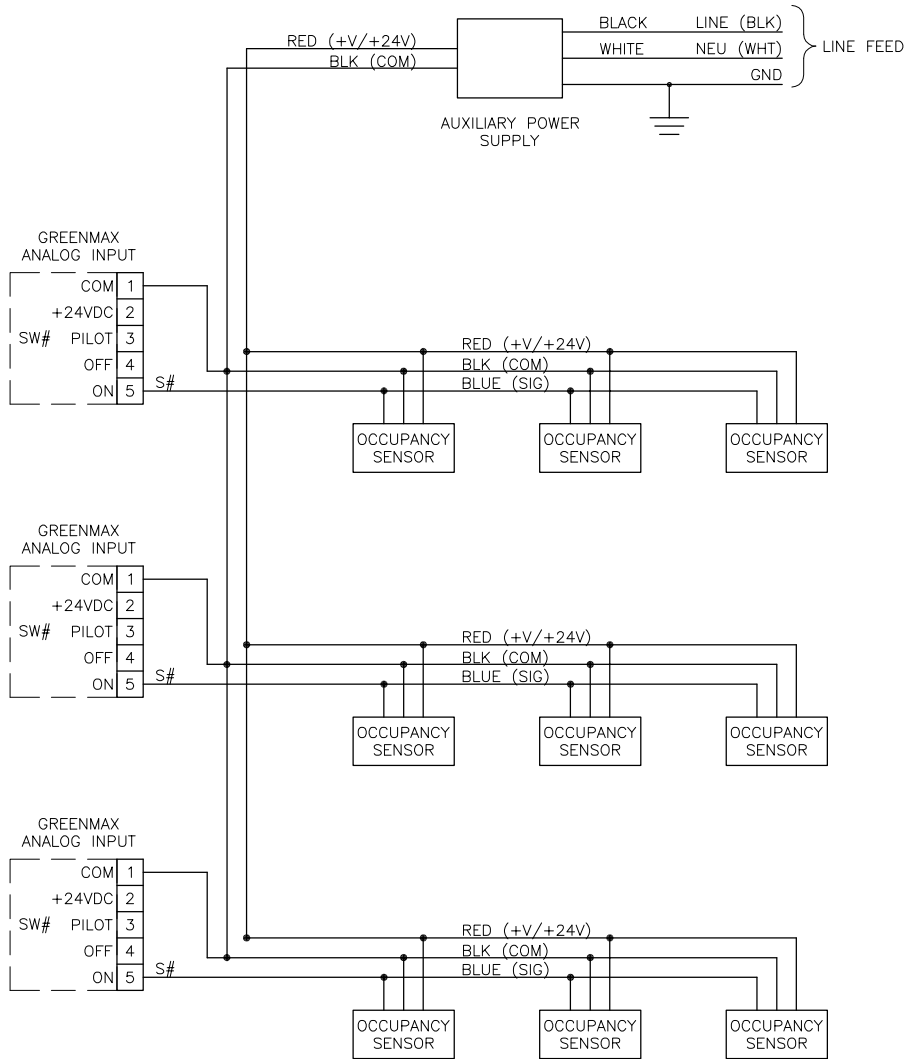
\* WIRE ADDITIONAL SWITCHES IN PARALLEL FOR 3- AND 4-WAY OPERATION

OCCUPANCY SENSORS USING POWER PACKS FOR POWER TRIGGERING GREENMAX INPUT



# GREENMAX RELAY CABINET COOKBOOK

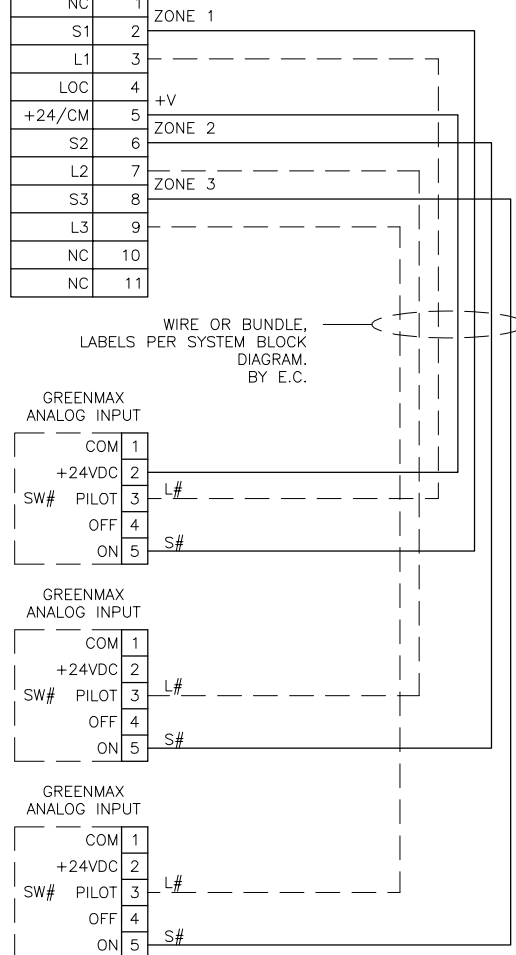
MULTIPLE OCCUPANCY SENSORS TRIGGERING MULTIPLE GREENMAX INPUTS USING AUXILIARY POWER SUPPLY



ZMAX 3-BUTTON\* ANALOG CONTROL STATION  
TERMINATED TO GREENMAX INPUT

00LVS-03X  
3-BUTTON ANALOG  
CONTROL STATION

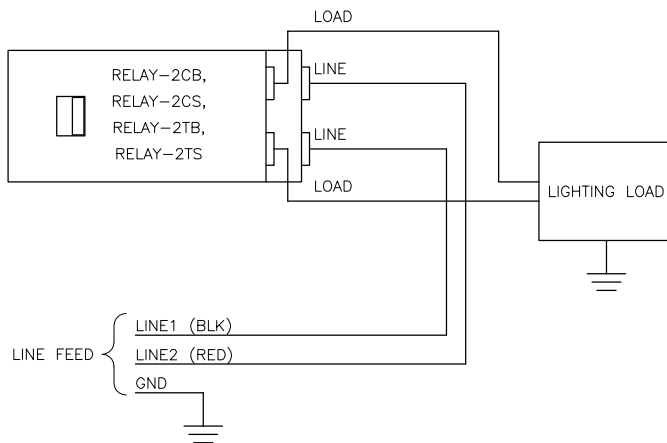
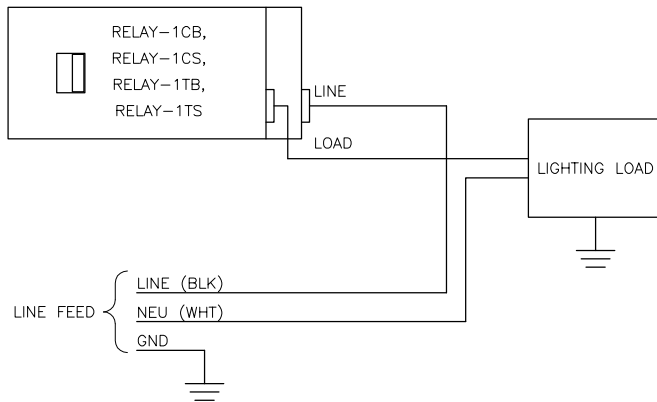
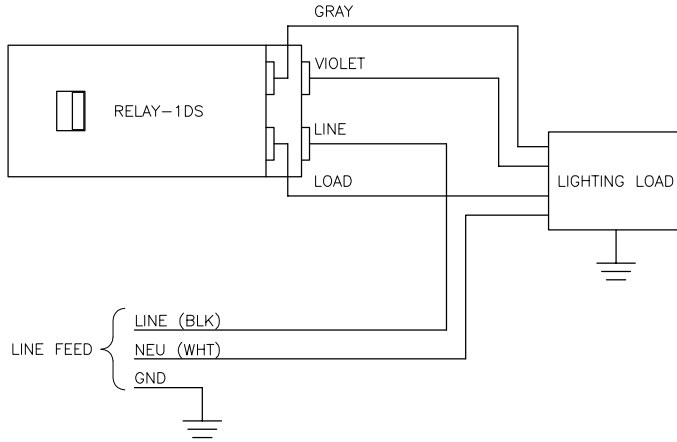
FUNCTION	TERM
NC	1
S1	2
L1	3
LOC	4
+24/CM	5
S2	6
L2	7
S3	8
L3	9
NC	10
NC	11



\*TERMINATIONS ARE SIMILAR FOR OTHER LOW VOLTAGE  
ANALOG CONTROL STATIONS.

# GREENMAX RELAY CABINET COOKBOOK

## GREENMAX RELAY TERMINATIONS



### CONSOLIDATED GREENMAX RELAY RATINGS BY MODEL:

#### SINGLE POLE RELAYS

RELAY-1CB, -1CS, -1TB, -1TS  
24-277VAC, 20A TUNGSTEN HALOGEN  
INCANDESCENT,  
24-277VAC, 30A BALLAST, 347VAC, 20A BALLAST,  
120VAC 1/2 HP MOTOR, 277VAC 1 HP MOTOR,  
240VAC 1HP MOTOR

#### RELAY-1DS

24-277VAC, 30A 0-10V DIMMING FLUORESCENT

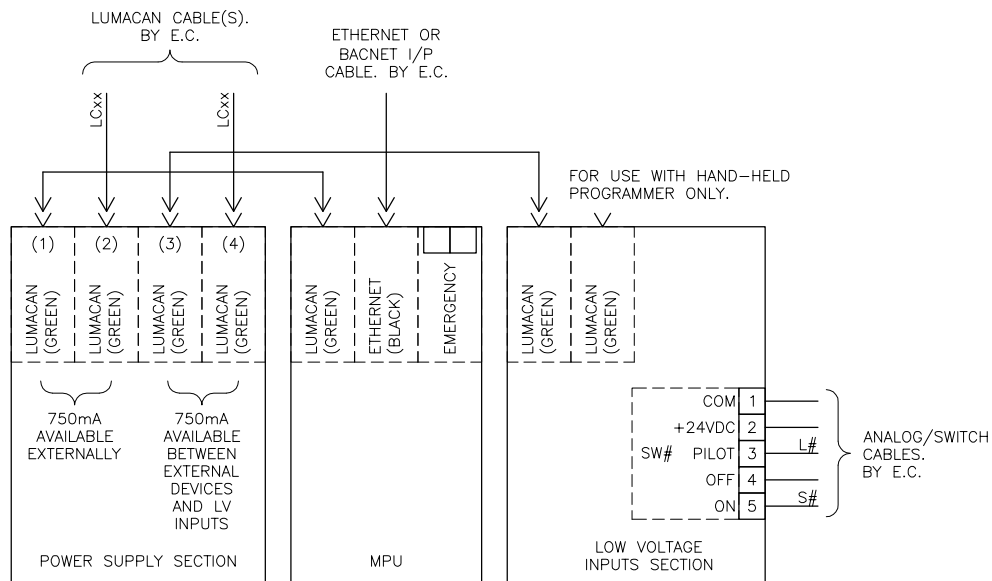
#### DOUBLE POLE RELAYS

RELAY-2CB, -2CS, -2TB, -2TS  
208/240VAC, 20A TUNGSTEN HALOGEN  
INCANDESCENT,  
208/240/480VAC, 30A BALLAST, 600VAC, 20A  
BALLAST,  
208/240VAC 1HP MOTOR

FOR COMPLETE DETAILS REFER TO PRODUCT  
SPECIFICATION DATA SHEET.



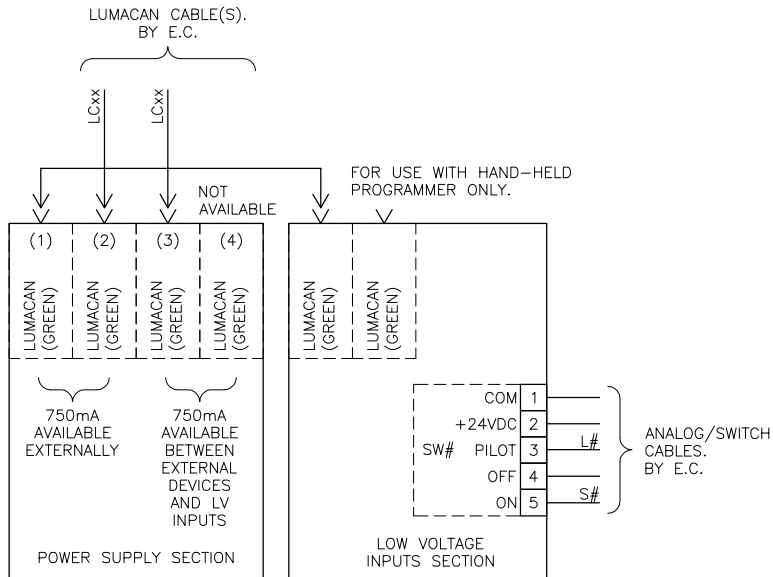
GREENMAX RELAY PANEL COMMON  
INTERNAL CONNECTION DETAILS



NOTES:

1. INSTALLER TO WIRE TO CONTROL TERMINALS LOCATED ON CONTROLLER CARD.
2. TERMINATION AND CONFIGURATION: REFER TO INSTALLATION MANUAL FOR WIRING RUN TERMINATIONS, ADDRESSING, PROGRAMMING AND SETUP DETAILS.
3. TERMINATE ANALOG INPUTS PER INPUT CONNECTION TABLE OR SCHEDULE.
4. THIS MODEL IS AVAILABLE WITH 0, 8 OR 16 ANALOG INPUTS.
5. ANALOG OR DIGITAL CONTROL STATIONS CAN BE ASSIGNED TO OPERATE ANY RELAY IN THE CONNECTED CABINET OR NETWORKED RELAY CABINETS.

## GREENMAX RLV COMMON INTERNAL CONNECTION DETAILS



**NOTES:**

1. INPUTS AVAILABLE IN EACH CABINET.
2. INPUT TYPES:
  - 2.1. OCCUPANCY SENSORS
  - 2.2. PHOTOCELLS
  - 2.3. DRY CONTACT CLOSURES
  - 2.4. LOW VOLTAGE SWITCHES.
3. DO NOT CONNECT +V TO ANY OTHER SOURCE.
4. TERMINATE ANALOG INPUTS PER INPUT CONNECTION TABLE OR SCHEDULE.
5. THIS MODEL IS AVAILABLE WITH 8 OR 16 ANALOG INPUTS.
6. REFER TO INSTALLATION GUIDE FOR ADDITIONAL DETAILS.

### LEVITON SPECIFICATION SUBMITTAL

JOB NUMBER:	JOB NAME:		
PROJ MANAGER:	REPRESENTATIVE:	DISTRIBUTOR:	

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