### Installation Requirements

As this is an analog system, any system topology is allowed.

The "LOC"ator LED is illuminated when it is connected to +24VDC.

### Electrical Requirements

- **Input Voltage:** 24Vdc
- **Input Current:** 24mA

### Environmental

- **Operating Temperature Range:** 0 degrees C to 55 degrees C
- **Relative Humidity:** 20% to 90% non-condensing

### Precautions and Requirements

All standard precautions for wiring traditional low voltage control devices apply:

1. The cable should not pass near any source of electrical noise or interface such as fluorescent circuits or motor wiring.
2. Close proximity to any AC wiring should be avoided.
3. All analog low voltage wiring shall be in its own conduit.
4. Any wire type capable of carrying the required voltage and current may be used.
5. Observe standard voltage drop calculations to ensure that no less than +10 volts are received by the station. Less than +10 and the LEDs will not be bright enough to be seen or if voltage is quite low, may not light at all.

### Terminal Connection Types

- **Input Voltage:** +24Vdc
- **Output Voltage:** +V to miniZ
- **Common:** COMMON
- **PILOT:** PILOT
- **LOCATION:** LOCATION

### Description

The LV200 lighting controller is a Decora-style device for controlling non-dimmable and dimmable luminaires connected to the miniZ Intelligent Daylight Management System and Z-MAX Relay System. The LV200 provides a unique control station with multi-function operational and programming capabilities in a 5-button configuration. The device come in white with a matching wallplate.

**LV200**

Function description:
- **Push On** - all lights to daylight harvesting level
- **Push Max** - all lights to maximum trim level
- **Hold Bright** - raise light levels with press hold or multiple press
- **Hold Dim** - lower light levels with press hold or multiple press
- **Push Dim** - lower light levels with press hold or multiple press
- **Push Off** - turn off lights

Programming capabilities:
- Set daylighting target level
- Set minimum lighting level

### Wiring and Installation

Step 1: If using a Decora Plus screwless wall plate, remove the center tabs from the device as shown in the following figure:
Step 2: Terminate the wiring to the appropriate terminals on your low voltage switch as is required for your application. See the table on page 5.

Step 3: When all wires have been terminated, gently stuff the wires back into the junction box in the wall.

Step 4: Securely mount the station to the wall using the provided screws.

Step 5: Mount the wall plate to the station.

Programming / Operation

All System Programming, individual switch configuration, and other device configuration options is performed at the device to which your switch is connected.

To activate programming mode, press and hold the MAX button (On and Off outputs at +24v) for seven (7) seconds. At this point the ON and OFF LEDs will flash alternately, each on for 0.25 seconds.

To program the daylight photocell target level, tap the ON button. The ON and OFF LEDs will now blink alternately, with the ON LED lit for 0.375 seconds and the OFF lit for 0.125 seconds.

Use the BRIGHT and DIM buttons to increase and decrease the lights (0-10 volt outputs). Adjustment shall be in the range of 1 to 10 volts.

Tapping the MAX button will save your changes and re-enter programming mode with the ON and OFF LEDs flashing alternately, each on for 0.25 seconds.

To program the “Min” level, tap the OFF button. The ON and OFF LEDs will now blink alternately, with the OFF LED lit for 0.375 seconds and the ON lit for 0.125 seconds.

Use the BRIGHT and DIM buttons to increase and decrease the Min level (0-4 volt outputs). Tapping the MAX button will cause the Min level to be saved and re-enter programming mode with the ON and OFF LEDs flashing alternately, each on for 0.25 seconds.

To exit the programming mode, tap the MAX button. If no button is pressed for longer than two (2) minutes, the programming mode will automatically cease.