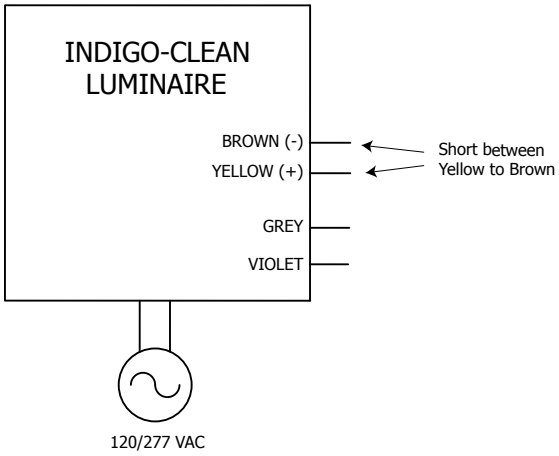
1. **Validating luminaire changes between white and indigo mode:** With no controls connected to the fixture short the yellow and brown wires together to ensure the Indigo-Clean Luminaire changes modes.

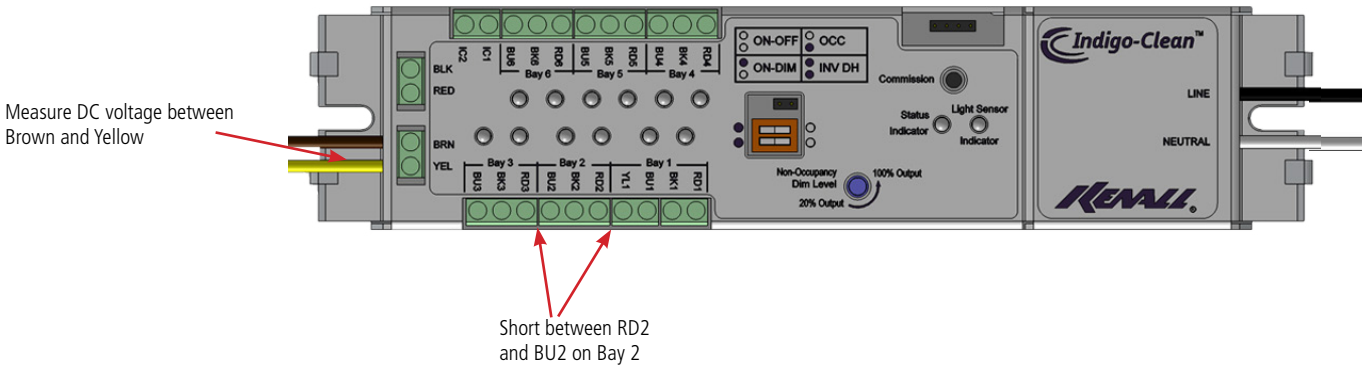
   Results: If fixture changes modes, your fixture is operating normally. If not, contact Kenall.



2. **Confirm Control Module is Working Properly:** With no sensor or override switches connected to the controller, connect line voltage circuit to controller, make sure circuit is off when connecting input power (line voltage power). In Bay 2, place a jumper between RD2 and BU2. Turn line voltage circuit on and both the green and red LED should be illuminated. Using a multi-meter set to read DC voltage read the voltage between the brown and yellow wire of the controller.

   Results: If you read approximately 10V DC, your controller is working. Remove the jumper and you should read less than 5V DC. If these two conditions are present, your controller is working normally.

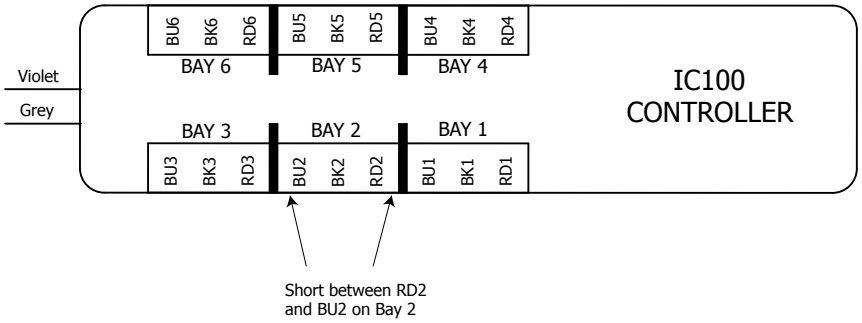
Metal Case (New)

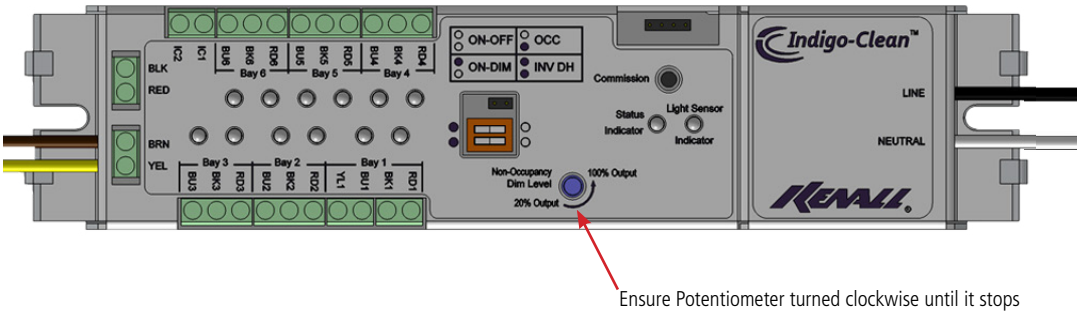


Black Plastic Case (Old): With no sensor or override switches connected to the controller, connect line voltage circuit to controller, make sure circuit is off when connecting input power (line voltage power). In Bay 2, place a jumper between RD2 and BU2. Turn line voltage circuit on and both the green and red LED should be illuminated. Using a multi-meter set to read DC voltage read the voltage between the purple and grey wire of the controller.

Results: If you read approximately 10V DC, your controller is working. Remove the jumper and you should read less than 5V DC. If these two conditions are present, your controller is working normally

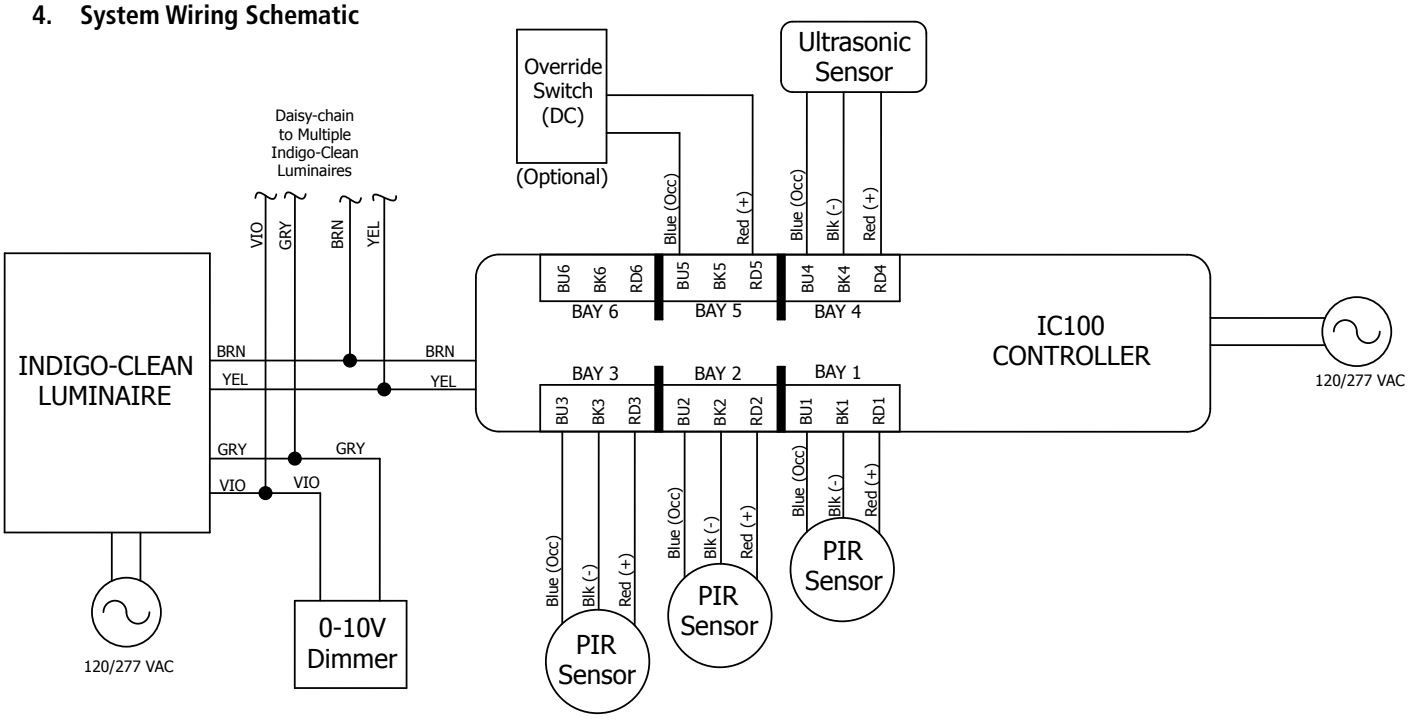
Black Plastic Case (Old)





3. If your results are not as stated in step 2, make sure your potentiometer is turned clockwise until it stops. Re-measure voltage at brown/yellow. If results are not as stated in step 2, contact Kenall as your controller may be damaged or defective.

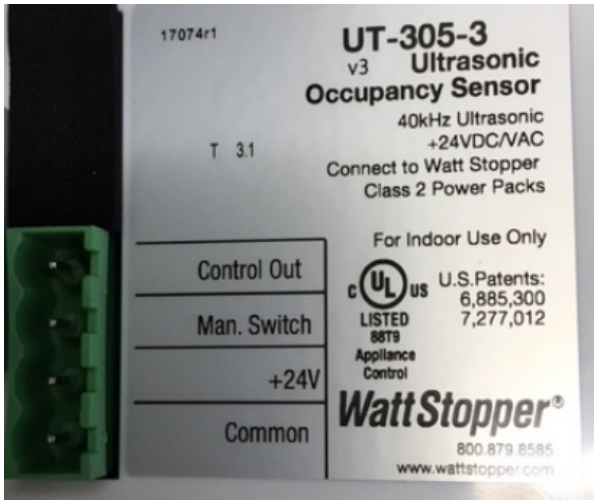
4. System Wiring Schematic



Notes:

Ultrasonic Sensor:
[Control Out] connects to BU4 (blue)
[Common] connects to BK4 (black)
[+24v] connects to RD4 (red)

PIR Sensor:
Red wire to RD (Bay 1,2,3)
Blue wire to BU (Bay 1,2,3)
Black wire to BK (Bay 1,2,3)

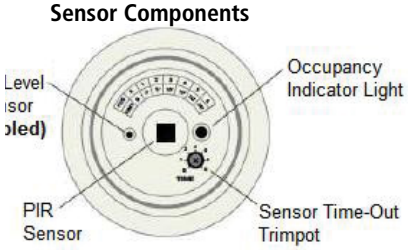


5. **Ultrasonic Settings:** (for confirming operation you may want to set [Time Delay] to 30 Seconds. All other setting should be unchanged.)

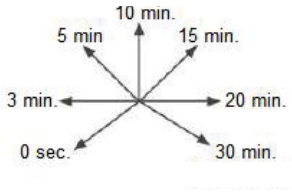
Time Delay	Switch# 1	2	3
Test Mode/20 min	↓	↓	↓
30 seconds ◀	↓	↓	↑
5 minutes	↓	↑	↓
10 minutes	↓	↑	↑
15 minutes	↑	↓	↓
20 minutes	↑	↓	↑
25 minutes	↑	↑	↓
30 minutes	↑	↑	↑

6. **PIR Sensor:** (for confirming operation you may want to set [Time Delay] to position "1" to shorten delay.)

Sensor Components



Time-Out Trimpot Setting



After confirming system is working normally, set controls to desired delay. Delay is the time that will elapse before fixture switches from white to Indigo-Clean mode.

7. **Confirming occupancy on controller:** Occupancy on controller is indicated when both Red and green indicator LEDs are on. Just green indicates a control is connected to the bay. Illustration below shows no control on Bay 6 and Bay 1 through 5 have controls and are seeing occupancy.