

# INDIGO-CLEAN™ ROOM CONTROLLER SYSTEM

## IC150 SERIES

### PRODUCT FEATURES:

- » Room-level Disinfection Mode Control
- » Infrared Occupancy Detection

### SPECIFICATIONS

**IC150 CONTROLLER:** Centralized, zonal whole room continuous disinfection. Automatically switches Kenall Indigo-Clean and Dual-Mode ICT luminaires between white disinfection and Indigo-Clean disinfection modes. Unswitched 120-277VAC, 50/60Hz electrical supply required. Controller receives input from provided passive-infrared (PIR) sensors or via optional low-voltage override switch (by others). Low-voltage dimming signal output to luminaires. Integral LED indicators provide system status. Maximum sink current per controller: 1 A.

**IC150 SENSORS:** Operates by low-voltage power provided by IC150 Controller. Ceiling mounted. Passive infrared (PIR) technology provides 360° coverage, see Ordering Information for coverage/ mounting height options. Adjustable occupancy time-out delay 0-30 min.

**CONTROLLER HOUSING:** Seam-welded 18-gauge CRS. White TGIC polyester powder coat finish with five-step pre-treatment. Housings provided with multiple 1/2" and 3/4" conduit knockouts. Controller housing includes clear polycarbonate window for viewing of system status indicators. Silicone gasketing. Pin-tumbler style keyed lock. All locks are keyed alike, two keys included.

**INSTALLATION:** Controller housing suitable for mounting to wall or ceiling surfaces with four-point mounting. Housing is not intended for installation within cleanroom-rated spaces. All signal cabling shall be wired Class I with 18AWG, 600V TFFN wire. Included PIR sensors are suitable for installation in a ceiling-mounted junction box (by others).

### PROJECT INFORMATION

Job Name \_\_\_\_\_  
Fixture Type \_\_\_\_\_  
Catalog Number \_\_\_\_\_  
Approved by \_\_\_\_\_



Controller



PIR Sensor

### ORDERING INFORMATION

| Model        | Controller Module Quantity                                                                                                                                                                                                                                                                                                              | Total Sensor Quantity                                                                    | PIR Sensor Lens                                                                                     | Voltage                                   |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>IC150</b> |                                                                                                                                                                                                                                                                                                                                         | <b>IR</b>                                                                                |                                                                                                     | <b>DV</b>                                 |
|              | <b>Controller Module Quantity</b><br>Please refer to IC150 Controller Load Limits table on Page 2 for maximum number of luminaires allowable per Controller Module<br><b>1</b> One Zone, Six Sensors max.<br><b>2</b> Two Zones OR 12 Sensors max.<br><b>3</b> Three Zones OR 18 Sensors max.<br><b>4</b> Four Zones OR 24 Sensors max. | <b>Total Sensor Quantity (all Controllers)</b><br><b>(x) - Sensor Quantity (max. 24)</b> | <b>PIR Sensor Lens</b><br><b>L488</b> 48' Dia. x 8' Mounting<br><b>L6020</b> 60' Dia x 20' Mounting | <b>Voltage</b><br><b>DV</b> 120-277 Volts |

### DIMENSIONAL DATA

#### DIMENSIONAL DATA (IN INCHES)

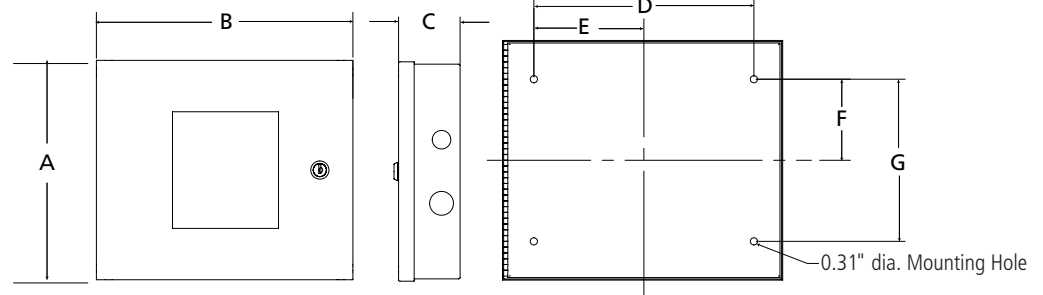
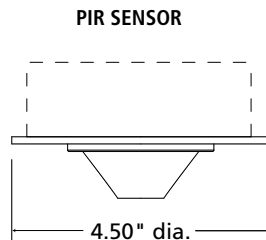
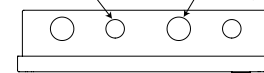
|              | A     | B     | C    | D    | E    | F    | G     |
|--------------|-------|-------|------|------|------|------|-------|
| 1 Controller | 6.85  | 14.10 | 2.90 | 9.50 | 4.75 | 2.25 | 4.50  |
| 2 Controller | 10.35 | 14.10 | 2.90 | 9.50 | 4.75 | 3.50 | 7.00  |
| 4 Controller | 17.85 | 14.10 | 2.90 | 9.50 | 4.75 | 7.50 | 15.00 |

(NOTE: For 3 Control modules use the 4 Controller dimensions)

### CONTROLLER HOUSING

1/2" Conduit Knockout  
(6 Places Total)

3/4" Conduit Knockout  
(6 Places Total)



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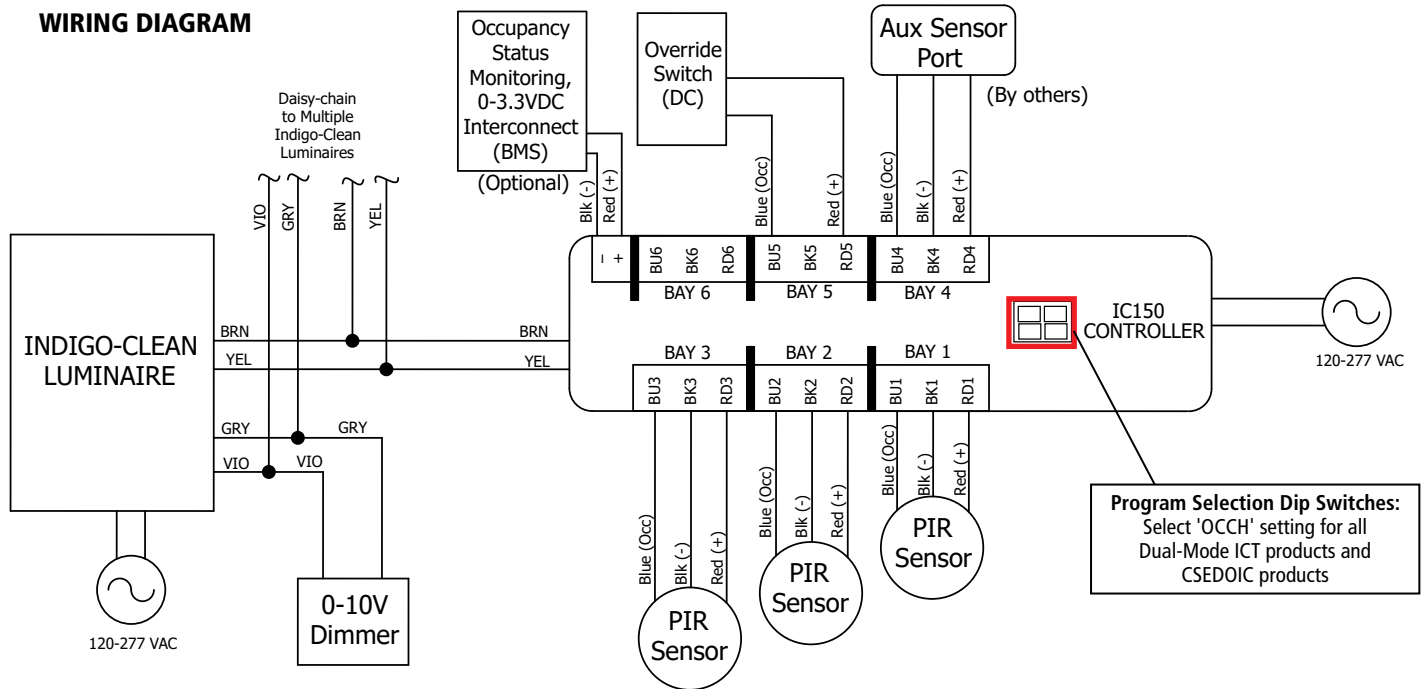
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IC150-081022

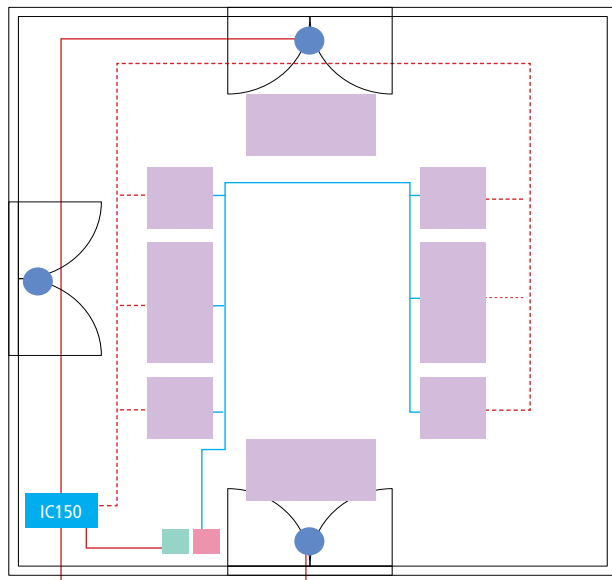
# INDIGO-CLEAN™ ROOM CONTROLLER SYSTEM

## IC150 SERIES

### WIRING DIAGRAM



### TYPICAL LUMINAIRE/IC150 CONTROLS ROOM LAYOUT



- Indigo-Clean Fixtures
- Passive Infrared Sensor
- External 0-10V Dimmer
- White Disinfection Mode Override Switch (DC) <OPTIONAL>

NOTE: Multiple product types may be controlled from a single IC150 as long as the total fixture count does not exceed 50.



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