IC100 QUICK START GUIDE



Signal Wires

- **Purpose:** Sends control signal from IC100 to luminaires to switch between white and Indigo-Clean mode.
- Electric connection: Connected to IC100 to luminaire using yellow and brown wires.
- Mode: 10 VDC = White mode, less than 5VDC = Indigo-Clean mode.
- Wires: Customer supplied.

Override Switch

Purpose: Manually locks luminaires in white mode.

Daisy-chain

Indigo-Clean

- Electric connection: Connected to IC100 at any open bay.
- Mode: When switch shorts IC10 0 bay, fixtures will remain in white mode regardless of sensor's occupancy state.

Override

Switch

(DC)

(Optional)

Switch: Customer supplied

120/277 VAC

Ultrasonic Sensor

- **Purpose:** Sensing Occupancy
- Electric connection: 24V power is achieved by connection to IC100 controller
- Mode: If sensor detects occupancy, it sends a signal to IC100 controller and Indigo-Clean Luminaire goes into white mode. No occupancy detected at all sensors, Indigo-Clean luminaires go into Indigo-Clean mode.
- **Setting:** Sensor has a time delay of up to 2 hours that will lock the luminaires in white mode after occupancy is detected. Factory setting: 2 hours. Field adjustable at sensor to reduce delay.

120/277 VAC

Wires: Customer supplied

0-10V Dimming Wires

- Purpose: Dimming signal
- 0-10V Dimmer to luminaire using violet and gray wires.
- Wires: customer supplied.

- Electric connection: Connected to

BKS RDS IC100 CONTROLLER INDIGO-CLEAN YEL LUMINAIRE VIO Blk (-) PIR

Ultrasonic

Sensor

Sensor

0-10V Dimmer

- Purpose: Dimming luminaire in white mode or turns fixtures off (Dim to off).
- Electric connection: Connected to gray and violet of the luminaires
- Mode: Luminaires will still go into full Indigo-Clean mode regardless of dimmer setting.
- Dimmer: 0-10V dimmer, (Line voltage not required at dimmer) – Customer supplied

PIR Sensor (Passive Inferred Sensors)

PIR

Sensor

Purpose: Sensing Occupancy

0-10V

Dimmer

Electric connection: 24V power is achieved by connection to IC100 controller

BIK (-)

PIR

Sensor

- Mode: If one sensor detect occupancy, it sends a signal to IC100 and Indigo-Clean luminaires go into white mode. No occupancy detected at all sensors, Indigo-Clean luminaires go into Indigo clean mode.
- Setting: Sensors have a time delay up to 30 minutes that will lock the luminaires in white mode after occupancy is detected. Factory setting 30 minutes. Field adjustable at each sensor to reduce delay.
- Wiring: Customer supplied

IC100 Controller

- Purpose: Provides power to sensors and takes sensor's detection signal along with optional override switch and provides control signal to fixture.
- Electric connection: Input 120/277VAC; Output - 24VDC to all sensors and override switch.
- Mode: If one sensor detects occupancy, the IC100 controller sends a signal to the luminaires to go into white mode. No occupancy detected at all sensors, luminaires go into Indigo mode.

