Wiring Instructions for Emergency Driver 65/150 with 86-203 and Square Low Profile Canopy Fixtures

Model Number: 65-138, 65-139, 65-140, 65-141, 65-142, 65-143, 65-144, 65-145, 65-146, 65-147, 65-148, 65-149.

- **Turn off electrical power at the fuse or circuit breaker box before wiring the Emergency Driver**

Note: Before starting the wiring to integrate the EM driver and Motion Sensor into the canopy fixture; the Black and Red wires leading from the fixture LED driver to the LED Module must be cut halfway point of the leads, leaving enough on both sides for the integration of the EM and the LED Module.

Step 1: Connect the Violet (+) wire lead from the EM Driver to fixture Driver LED (+) Red Fig 1.
Step 2: Connect the Grey (-) wire lead from the EM Driver to the fixture Driver LED (-) Black Fig 1.
Step 3: Connect the Black wire (LED module -) from the EM Driver to the LED module (-) Fig 2.
Step 4: Connect the Red wire(LED module +) from the EM Driver to the LED module (+) Fig 2.
Step 5: Connect the Blue & White wire from the EM Driver to the LED Driver Black wire lead (L) AC-L Fig 3.
Step 6: Connect the White Wire leads from the EM Driver to the main White AC circuit AC (N) Fig 4.
Step 7: Connect the RED AC Line 24/7 wire lead from the EM Driver to the AC Line 24/7 (Dedicated circuit) Fig 5.
Step 8: Connect the Black AC Switched-Line from the EM Driver to the motion sensor output (L) Fig 6.
Step 9. Connect the Dim + (Purple)wire lead from the LED Driver to the Motion Sensor Port (+) Fig 7
Step 10. Connect the Dim – (Pink) wire lead from the LED Driver to the Motion Sensor port (-) Fig 7.
Step 11: Connect the White (N) AC-N from the Fixture Driver to the motion sensor Output (N). Fig 8.
Step 12: Connect the (E: Ground) wires from the EM driver and fixture Led driver to the main grounding wire. Fig 9.
Step 13: **To access the battery remove all 6-machine screws on the back of the Emergency Battery housing (Fig 10)**
(Connect the Battery terminal (Male) to the (female) on the Emergency battery housing.
Step 14: Restore power at the fuse or circuit breaker box; now the installation is complete.

Warning:
For applications with the integration of an Emergency Driver and motion sensor; The Emergency Driver must be installed thru one of the two available knockouts on the side of the canopy fixture, **Fig 11.**

Microwave Motions Sensor Model # 86/203

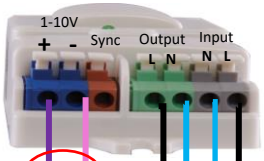
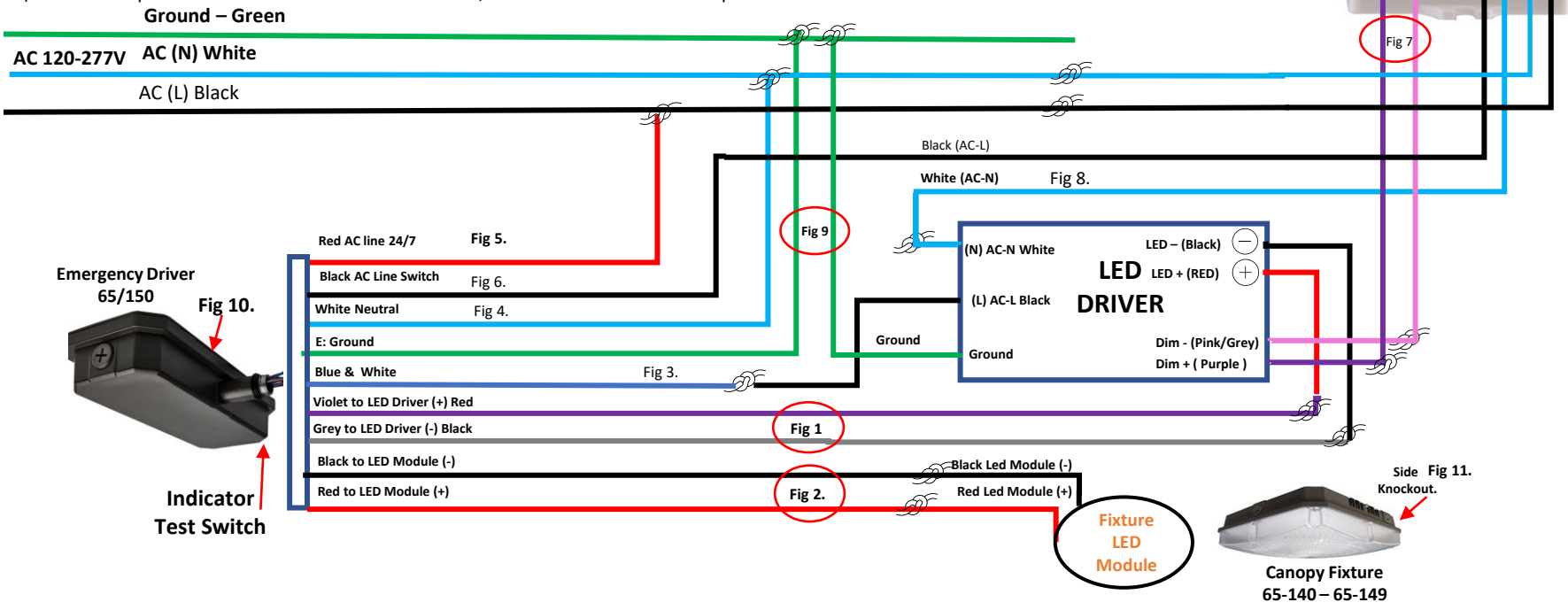


Fig 7



SATCO
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Brentwood, NY 11717

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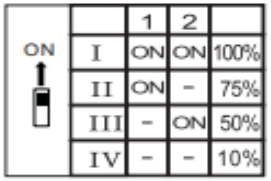
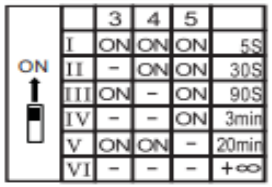
Microwave Sensor Model # 86/203

Setting

By selecting the combination on the DIP switches, sensor data can be precisely set for each specific application.



	1	2	
I	ON	ON	100%
II	ON	-	75%
III	-	ON	50%
IV	-	-	10%



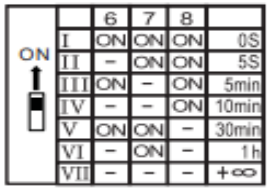
	3	4	5	
I	ON	ON	ON	5S
II	-	ON	ON	30S
III	ON	-	ON	90S
IV	-	-	ON	3min
V	ON	ON	-	20min
VI	-	-	-	+∞

Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application .

Hold time

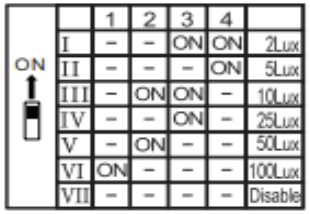
Refers to the time period the lamp remains at 100% illumination after no motion detected.



	6	7	8	
I	ON	ON	ON	0S
II	-	ON	ON	5S
III	ON	-	ON	5min
IV	-	-	ON	10min
V	ON	ON	-	30min
VI	-	ON	-	1h
VII	-	-	-	+∞

Stand-by period

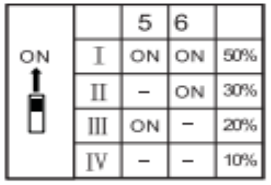
Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people.
When set to"+∞"mode, the low light is maintained until motion is detected.



	1	2	3	4	
I	-	-	ON	ON	2Lux
II	-	-	-	ON	5Lux
III	-	ON	ON	-	10Lux
IV	-	-	ON	-	25Lux
V	-	ON	-	-	50Lux
VI	ON	-	-	-	100Lux
VII	-	-	-	-	Disable

Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.
When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.
50lux, 30lux: twilight operation, 10lux, 5lux: darkness operation only.
Note that daylight sensor is active only when lamp totally switches off.



	5	6	
I	ON	ON	50%
II	-	ON	30%
III	ON	-	20%
IV	-	-	10%

Stand-by dimming level

The low light level you would like to have after the hold time in the long absence of people.

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