

Controls Accessories

INSTRUCTIONS AND SPECIFICATIONS

SUB-ASSEMBLY PART NUMBER

RRWSOCC212	RRCPOCC	RRCPOCCDALI	RRCPOCCREM
RRWIRELESS1	8800RHB000920	8800RHB000921	8800RHB000922
8800RHB000923	8800RHB000924	8800RHB000925	

PURPOSE

THE PURPOSE OF THIS DOCUMENT IS TO SUPPLY INSTRUCTIONS TO APPLY CONFORMAL COATING AND TESTING SPECIFICATIONS FOR THE ABOVE MENTIONED SUB-ASSEMBLIES.

BILL OF MATERIAL

REFER TO MAPICS – MAPICS IS THE CONTROLLING DOCUMENT FOR THE REVISION LEVEL
REFER TO MAPICS – MAPICS IS THE CONTROLLING DOCUMENT FOR THE ASSEMBLY BOM

COMPONENT LOCATION

REFER TO MAPICS – MAPICS IS THE CONTROLLING DOCUMENT FOR THE REVISION LEVEL
REFER TO MAPICS – MAPICS IS THE CONTROLLING DOCUMENT FOR COMPONENT LOCATIONS [REF DES]

PCB GERBER FILES

REFER TO MAPICS – MAPICS IS THE CONTROLLING DOCUMENT FOR THE REVISION LEVEL
GERBER FILES SHALL BE CONTROLLED AND MAINTAINED ON THE DIALIGHT SERVER:

<\\Fs01\\PUBLIC\\PDM-Reports-Forms\\Software&Gerber Files\\Current & Verified>

**NOTE: PCB, GERBER AND SCHEMATIC SHALL MAINTAIN THE SAME REV LEVEL AT ALL TIMES*

SCHEMATIC

REFER TO MAPICS – MAPICS IS THE CONTROLLING DOCUMENT FOR THE REVISION LEVEL
GERBER FILES SHALL BE CONTROLLED AND MAINTAINED ON THE DIALIGHT SERVER:

<\\Fs01\\PUBLIC\\PDM-Reports-Forms\\Software&Gerber Files\\Current & Verified>

**NOTE: PCB, GERBER AND SCHEMATIC SHALL MAINTAIN THE SAME REV LEVEL AT ALL TIMES*

GENERAL NOTES


1. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
2. MARK SUB-ASSEMBLY WITH PART NUMBER, REVISION LEVEL AND MANUFACTURING DATE CODE [MARKING CAN EITHER BE VIA LABEL OR PERMANENT MARKER].
3. REVISION LEVEL OF THIS DOCUMENT AND OF ACTUAL SUB-ASSEMBLY MAY NOT MATCH.
4. REVISION LEVEL ON THE ACTUAL PCB MUST MATCH THAT OF RELEASED GERBER FILE.
5. USE PB-FREE SOLDER IN THIS ASSEMBLY ONLY. THIS ASSEMBLY IS ROHS COMPLIANT.


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COMPONENTS

This document will outline the testing procedure for the following sensor and controls accessories:

Part Number	Description	Image
RR-WS-OCC-212	FSP-212 w/ FSP-L7 (Center Mounted)	
8800-RHB-0009-20	FSP-212 (Center Mounted)	
8800-RHB-0009-21	FSP-321 (Bluetooth Center Mounted)	
8800-RHB-0009-22	FSP-321B-S-L7 (Bluetooth Side Mounted)	

Part Number	Description	Image
8800-RHB-0009-23	FSP-202 (Center Mounted)	
8800-RHB-0009-24	FSP-301 (Bluetooth Center Mounted)	
8800-RHB-0009-25	FSP-301B-S-L7-W (Bluetooth Side Mounted)	

Part Number	Description	Image
RR-CP-OCC	EBDHS-MB-PRM (Side Mounted)	
RR-CP-OCC-DALI	EBDHS-MB-DD (Side Mounted)	
RR-CP-OCC-REM	(Remote)	

Part Number	Description	Image
RR-WIRELESS-1	IntelliLED, Basic	

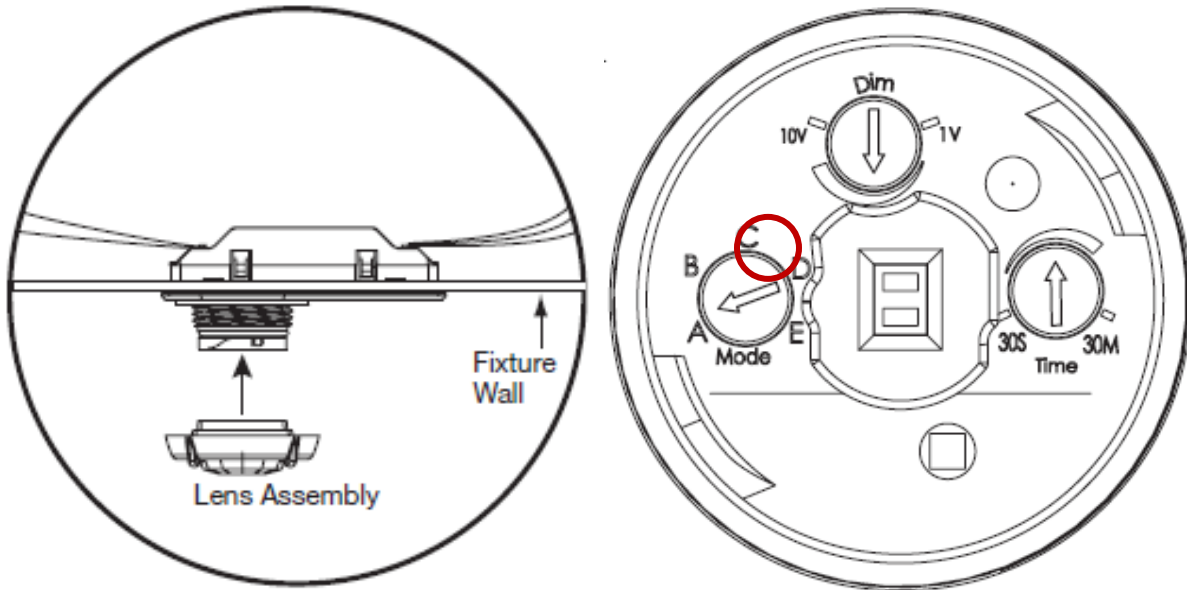
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TESTING PROCEDURE: RR-WS-OCC-212, 8800-RHB-0009-20 and 8800-RHB-0009-23

Note: This sensor must be tested with 'Golden Fixture' lighting fixture if shipping as an accessory

1. Unscrew the front lens of the sensor to expose the programming rotary switches. Using a small flathead screwdriver, turn the '**Mode**' rotary switch until it is in '**C**' configuration.



2. Ensure lighting fixture is powered OFF. Connect sensor power and dimming lines (see below).



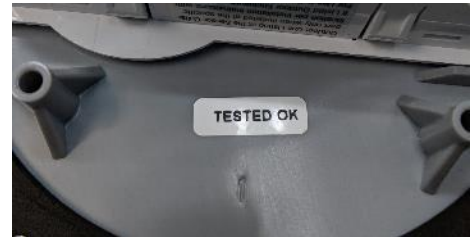
NOTE: Ensure that the sensor is facing down on a bench or covered before proceeding to step 3. The occupancy sensor will trigger and give false results

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3. Power on the lighting fixture and observe the following behavior:
 - Light will turn FULL ON for approximately 30 seconds
 - Light will dim to a LOW DIM value for approximately 15 seconds
 - Light will turn OFF
4. Once the lighting fixture is in an OFF state, uncover or turn over the sensor to trigger it. Observe the following behavior:
 - Light will turn FULL ON

Once this behavior is observed, the sensor has **PASSED** you can turn off the fixture and remove the sensor. Affix 'Tested OK' Sticker on sensor mounting plate



If the sensor does not pass step 3 and 4, repeat the test before removing the sensor for failure analysis

TESTING PROCEDURE: RR-CP-OCC, RR-CP-OCC-DALI, RR-CP-OCC-REM

Note: This sensor must be tested with 'Golden Fixture' lighting fixture if shipping as an accessory

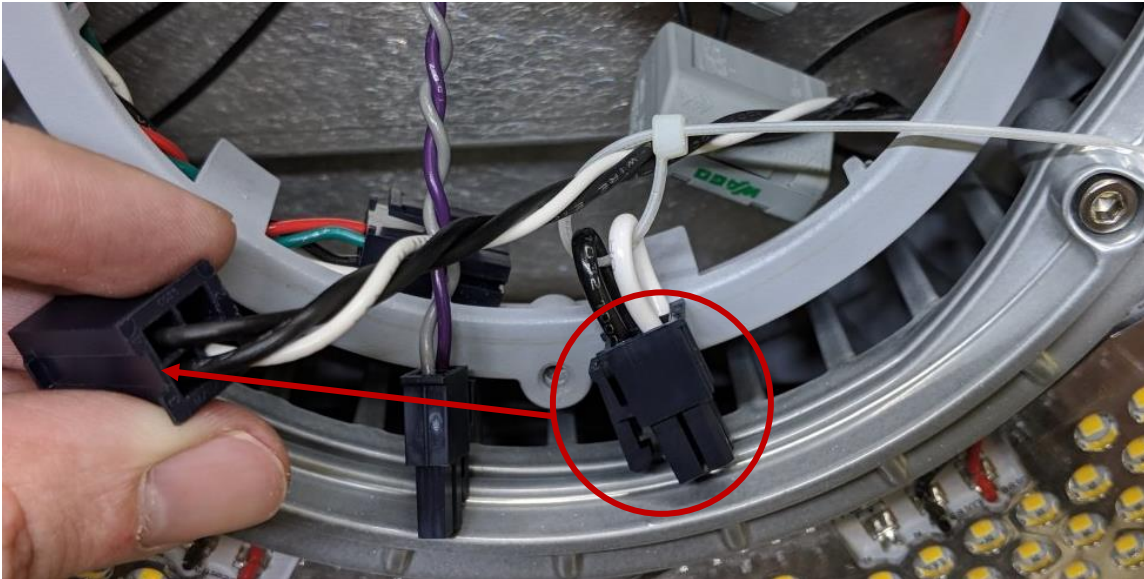
1. Ensure the lighting fixture is powered OFF. Connect sensor power and dimming lines (see below)



Note: Ensure jumper from Wattstopper is re-inserted or this test will not work

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2. Power on the fixture and ensure that the light turns 100% ON with the CP Electronics sensor connected. Also verify a red LED blinks in the sensor lens as well (this will happen very fast)

Once this behavior is observed, the sensor has **PASSED**. Turn off power to the fixture before removing the sensor

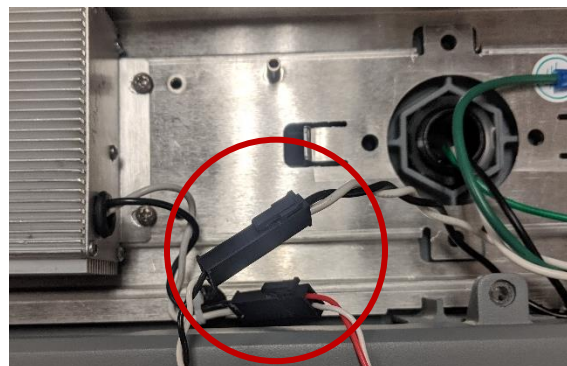
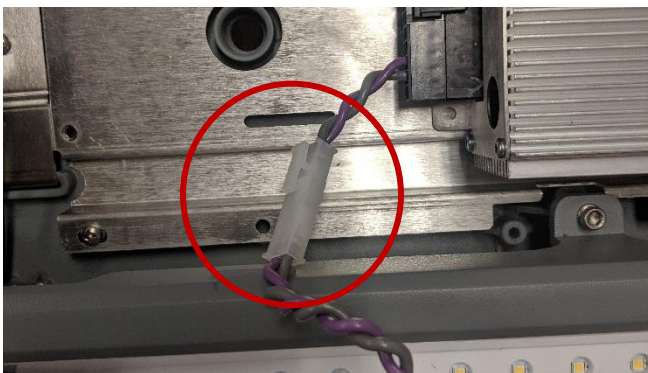
If the sensor does not pass step 2, repeat the test before removing the sensor for failure analysis

TESTING PROCEDURE: 8800-RHB-0009-21, 8800-RHB-0009-22, 8800RHB000924, and 8800RHB000925

Note: This sensor must be tested with 'Golden Fixture' lighting fixture if shipping as an accessory

1. Ensure test light fixture is OFF. Connect sensor to lighting fixture using 2-wire connectors (x3)

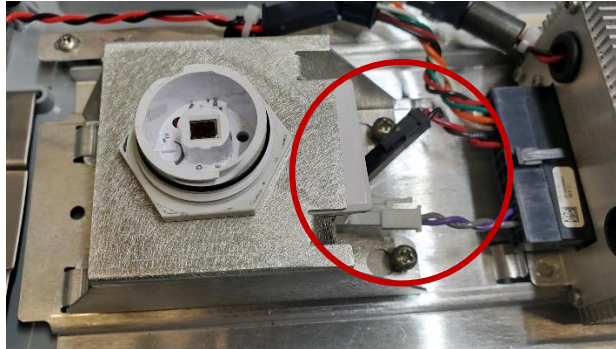
FOR 8800RHB000921 and 8800RHB000922



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FOR 8800RHB000924 and 8800RHB000925



*Note: 8800RHB000925 is a "side mount" unit – sensor will appear differently but connections remain the same.

Ensure both power and dimming connectors are properly connected before continuing

2. Power fixture ON. Within 2-3 seconds, fixture will DIM momentarily and then return to 100%. **NOTE:** This will happen very quickly. Verify that this dimming occurs. You may need to power fixture OFF and then ON again if dimming was not observed
3. Wait approximately **one minute** for occupancy LED to start triggering. Make sure the sensor is facing UP. Verify blue status LED flashes when occupancy is observed



Once this behavior is observed, the sensor has **PASSED**. Turn off power to the fixture before removing the sensor. Affix 'Tested OK' Sticker on sensor mounting plate

If the sensor does not pass step 2 AND 3, repeat the test before removing the sensor for failure analysis

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TESTING PROCEDURE: RR-WIRELESS-1

Note: This sensor must be tested with 'Golden Fixture' lighting fixture if shipping as an accessory

4. Ensure test light fixture is OFF. Connect controls card to lighting fixture using 4wire connector.

Refer to OI-1006 Single Unit Testing for Testing Procedure

Once the OI-1006 procedure is completed successfully, the wireless card has **PASSED** you can turn off the fixture and remove the card. Affix 'Tested OK' Sticker on sensor mounting plate

If the sensor does not pass OI-1006, repeat the test before removing the sensor for failure analysis.



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REVISION HISTORY

<u>REV</u>	<u>ECO No.</u>	<u>DRN</u>	<u>CKD</u>	<u>APP</u>	<u>QA</u>	<u>CM</u>	<u>DATE</u>
A	60482	NBG	JTD	DL	SV	JN	07/01/2019
B	62723	DL	BB	SR	SV	JN	07/11/2019
C	66892	DRA	SCR	KLJ	SV	JN	10/20/2020