

## Instruction for Use - Repositioning IR Sensors from Sink Panel to Header on a Scrub Sink

This instruction covers the procedure for repositioning the IR sensors on a scrub sink from its original position to the header on a scrub sink.

For this operation, SS-IR-KIT (Fig. 1) is required:

Item #	Part #	Description	Qty
1	SMS0049	IR Sensor Housing Wrap	1
2	H0004-06	10-32 Hex Nylon Insert Lock Nut	2
3	S0090-CAP	Timer Cap	1
4	H0006-05	#6-32 X 1/2 Flat Undercut Head Screw	2
5	H0004-15	6-32 Nylon Insert Lock Nut	2

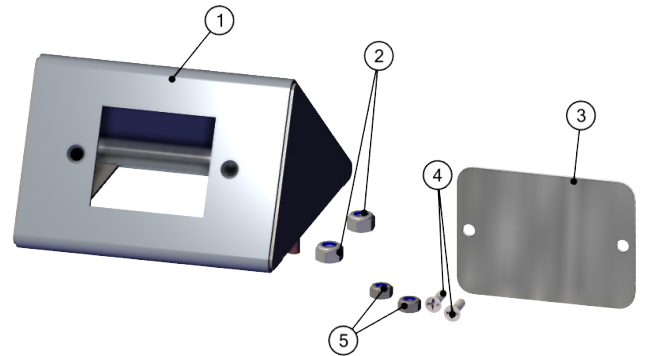


Fig. 1: SS-IR-Kit

Our example demonstrates the repositioning of IR sensors for a dual basin sink SS64-IR-MB. The two IR sensors are normally located on the intermediate panels (Fig. 2 - circled in red). These will be moved to the headers on top of the sink.

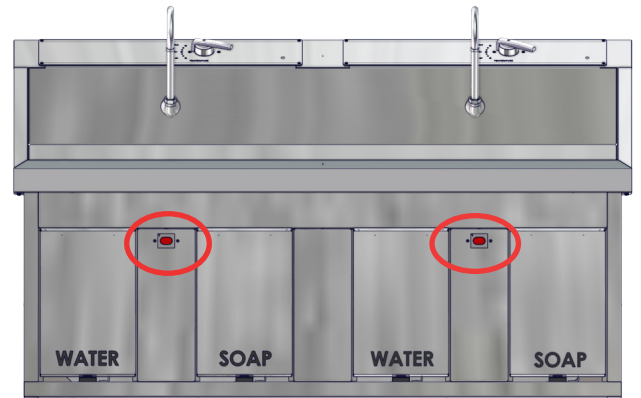


Fig. 2: original IR sensor locations

### Overview of Procedure

Fig. 3 shows the original wiring on the back of the sink. The IR sensors (shown in blue and circled in red) will be removed and placed on the header.

The connecting ends of the 4 black wires going to the sensors will be detached from the sensors. These ends will be transferred and reconnected to the sensors when they are relocated to the headers.

Note: To simplify the wire reconnections, do not disconnect from the transformer (circled in green) the wire ends going to the left sensor and those coming the solenoid valves (circled in yellow) to the sensors.

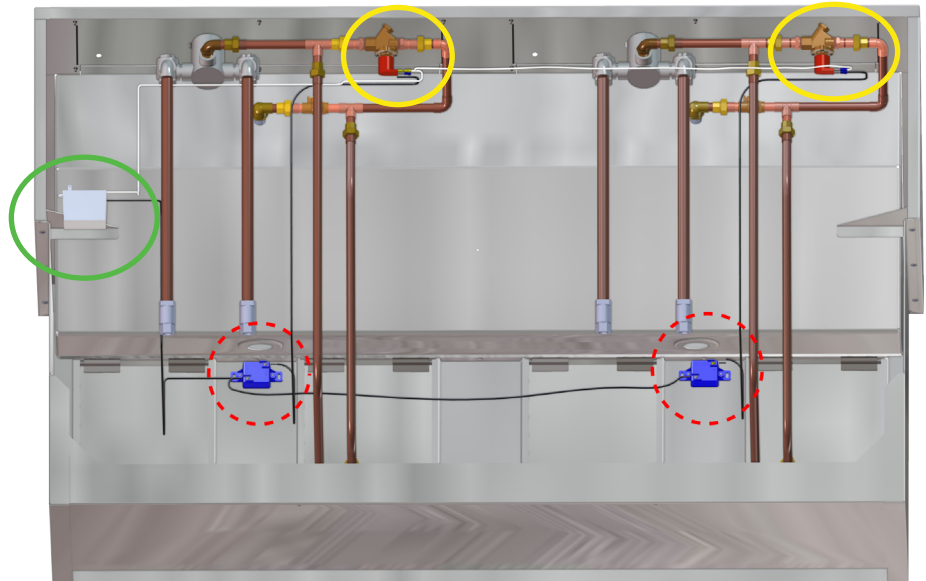


Fig. 3: Original wiring scheme - back side

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1. Unplug the sink from its power source.
2. From the back of the sink, unscrew the 2 small screws securing the wire spade connections to the IR sensors. Set these aside for later use. Disconnect the wire spades from the IR sensors (Fig. 4).
3. From the front of the sink, unscrew the 2 flathead screws securing the IR sensors to the intermediate panels (Fig. 5). Set these aside for later use.

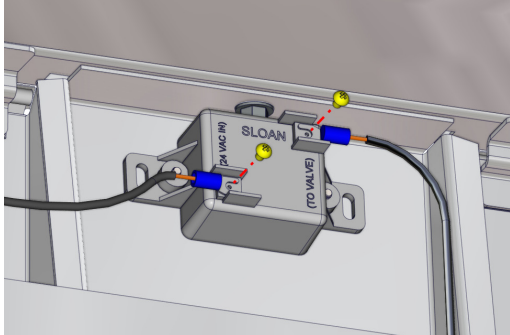


Fig. 4: Unscrew & disconnect wires

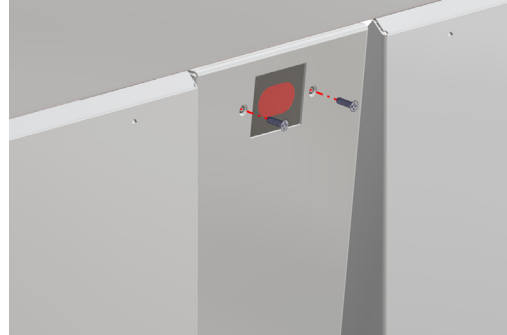


Fig. 5: Remove IR sensor from panel

4. From the sink front, insert two screws (table Item #4) into the screws holes on the intermediate panels (Fig. 6).
5. From the sink back, align with and attach the timer cap plate (table Item #3 - shown in blue) to the inserted screws. Secure the screws with 2 locknuts (Fig. 7 - table item #5).

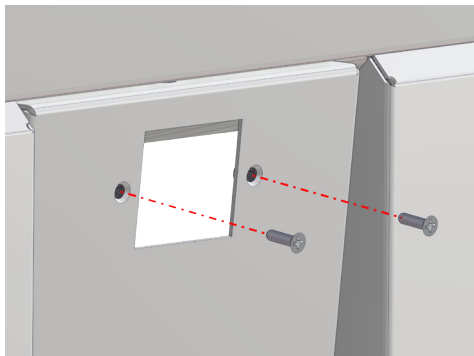


Fig. 6: Insert flathead screws

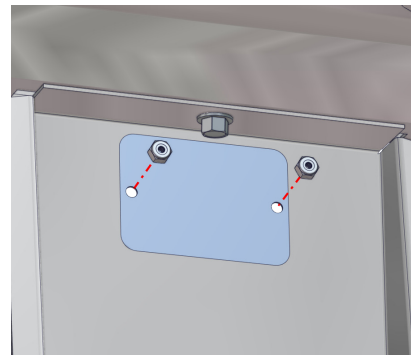


Fig. 7: Place timer cap on hole

6. Prepare both headers to receive the IR sensors and their housings. Drill 3 holes in each header using the dimensions in Fig. 8.

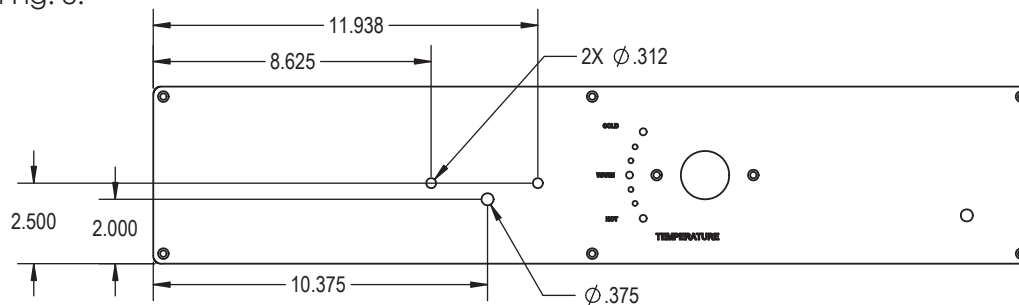


Fig. 8: Drill hole dimensions

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7. After drilling the holes in the headers, feed the loose wire ends that were disconnected from each sensor straight up through the .375 center hole on each header (Fig. 9).
  - A. From the back of the sink - left IR sensor wires up through the left header.
  - B. Right IR sensor wires up through the right header.



Fig. 9: Feed wires thru center hole

8. Re-insert the 2 small screws to the wire spades into their original positions on the IR sensors. Do not tighten these down yet. Place the sensor inside the housing and align with the screw holes of the housing (Fig. 10).
9. Insert the 2 flathead screws from the panel through the housing screw holes to secure the IR sensor to the housing (Fig. 11).



Fig. 10: Place IR sensor in housing



Fig. 11: Secure IR sensor to housing

10. Reconnect the wire ends to the IR sensors. Looking from the back of the sink, reconnect the 3 wires of the left IR sensor as shown in Fig. 12. The 3rd wire will connect to the right IR sensor (red arrow).
11. Reconnect the 2 wires of the right IR sensors as shown (Fig. 13).
12. After reconnecting the wires to the IR sensors, tighten down the wire spade screws to secure the connections.

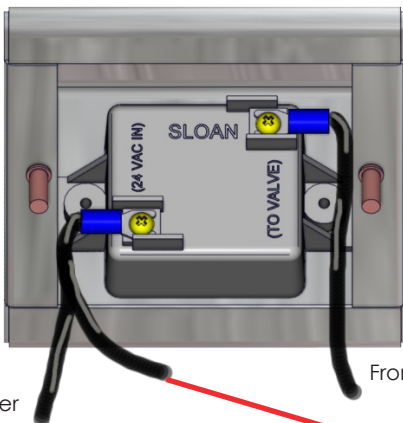


Fig. 12: Connect 3 wires - Left IR sensor

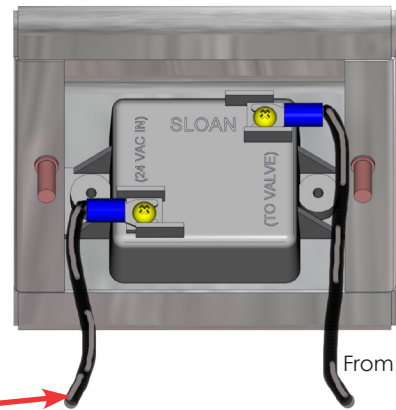


Fig. 13: Connect 2 wires - right IR sensor

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13. Insert the housing with the IR sensor into the two .312 mounting holes (Fig. 14). Secure the housing to the header with 2 locknuts (Fig. 15 - table Item #2)



Fig. 14: Attach IR sensor housing to header

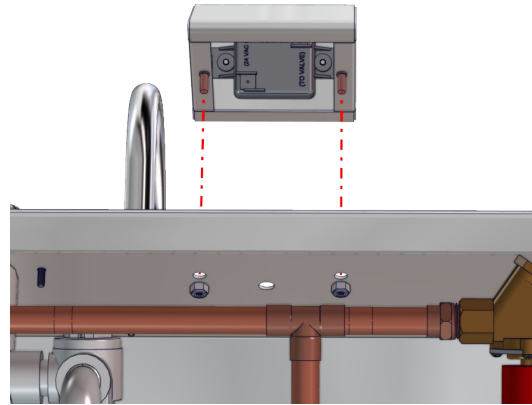


Fig. 15: Secure IR sensor housing to header

14. The repositioned IR sensors should appear as shown in Fig. 16. Plug the sink back into its power source.

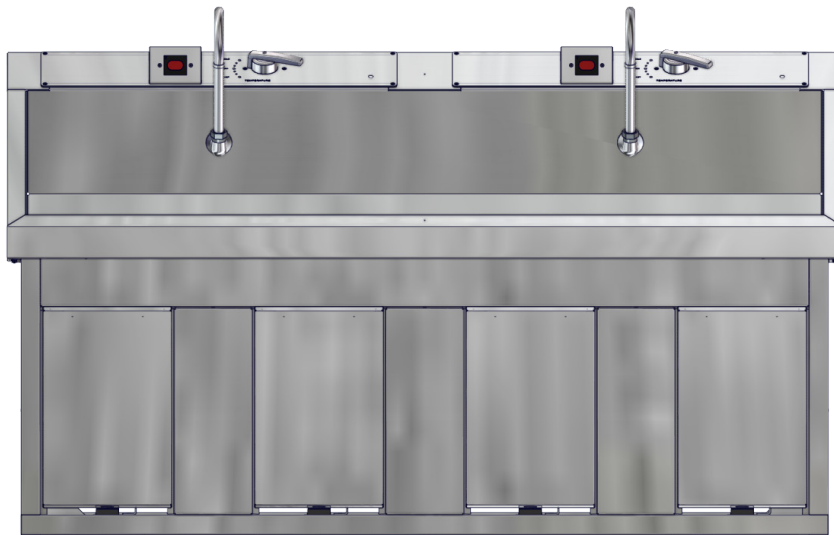


Fig. 16: IR sensors and housing installed on header