

Instructions for Use

Repositioning IR Sensors from Sink Panel to Header on Scrub Sink

Follow these instructions to reposition the IR sensors on a scrub sink from their original position to the header on the sink.

The following is needed to reposition sensors.
See Figure 1:

Item Number	Description	Quantity
1	IR Sensor Housing Wrap	1
2	10-32 Hex Nylon Insert Lock Nut	2
3	Timer Cap	1
4	#6-32 X 1/2 Flat Undercut Head Screw	2
5	6-32 Nylon Insert Lock Nut	2

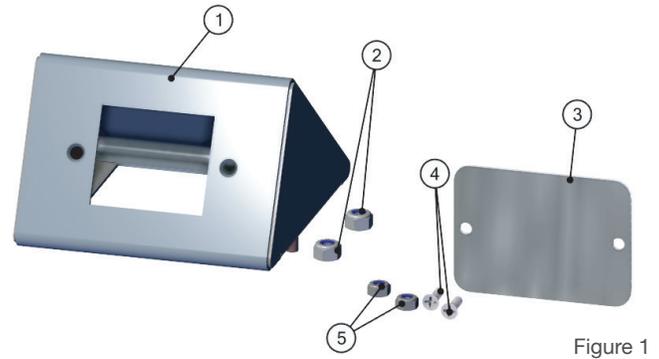


Figure 1

Figure 2 demonstrates the repositioning of IR sensors on a double basin sink. The 2 IR sensors are normally located on the intermediate panels (circled in red). These sensors will be moved to the headers on the top of the sink.

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 the wire ends going to the left sensor and those coming from the solenoid valves to the sensors (circled in yellow) from the transformer (circled in green).

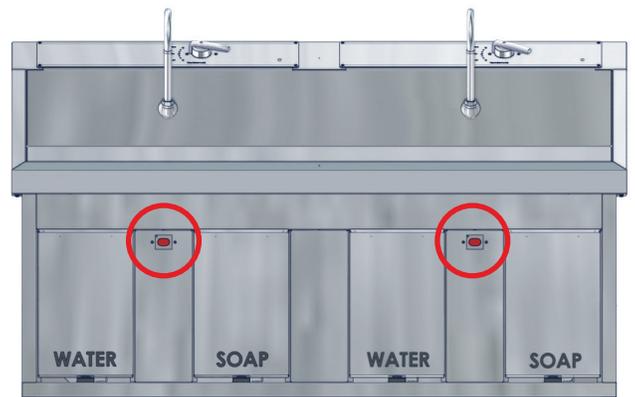


Figure 2: Original IR sensor locations

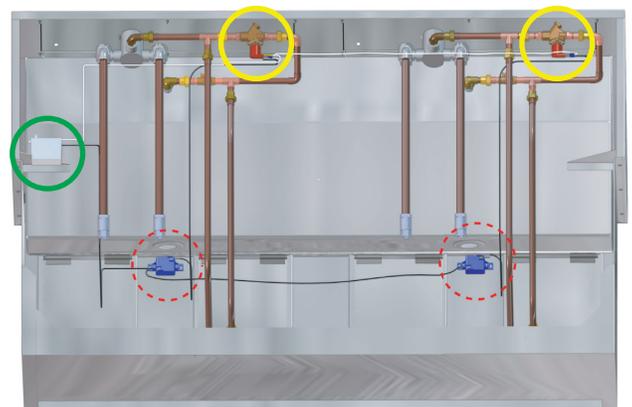


Figure 3: Original wiring scheme – back side

Instructions

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 (Figure 4).
3. From the front of the sink, unscrew the 2 flathead screws securing the IR sensors to the intermediate panels (Figure 5). Set these aside for later use.
4. From the sink front, insert two screws into the screws holes on the intermediate panels (Figure 6).
5. From the sink back, align with and attach the timer cap plate to the inserted screws. Secure the screws with 2 locknuts (Figure 7).
6. Prepare both headers to receive the IR sensors and their housings. Drill 3 holes in each header using the dimensions in Figure 8.

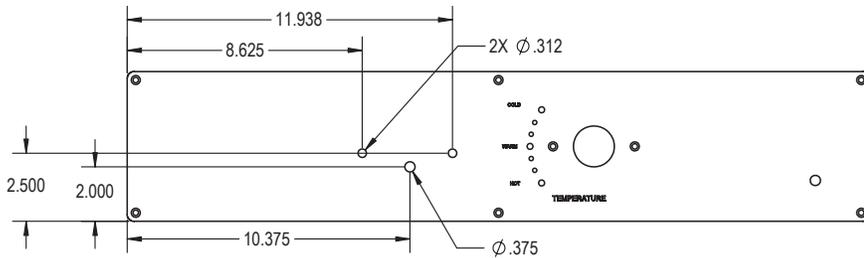


Figure 8: Drill hole dimensions

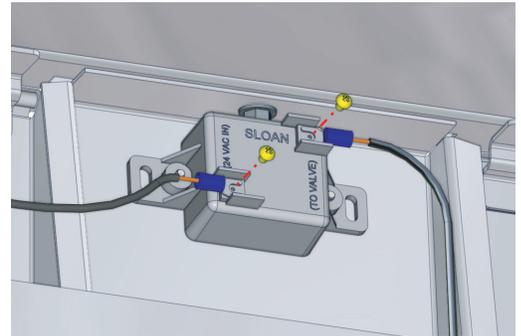


Figure 4: Unscrew and disconnect wires

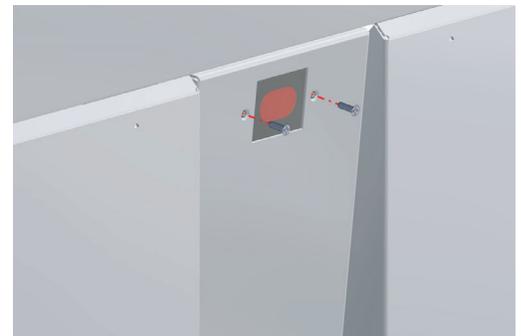


Figure 5: Remove IR sensor from panel

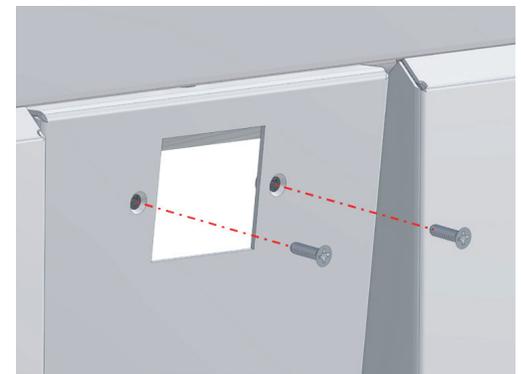


Figure 6: Insert flathead screws

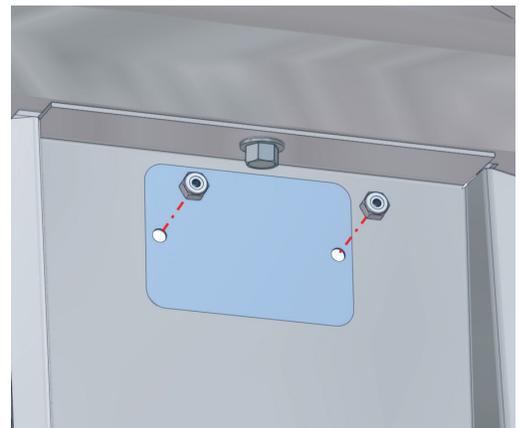


Figure 7: Place timer cap on hole

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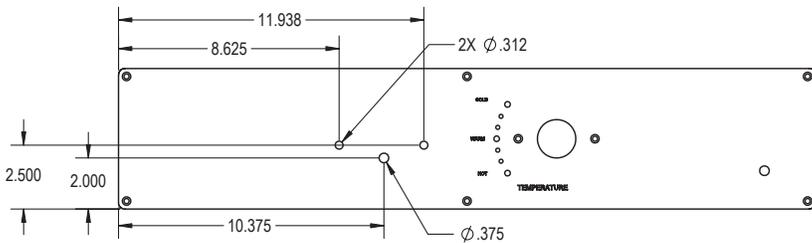


Figure 8: Drill hole dimensions

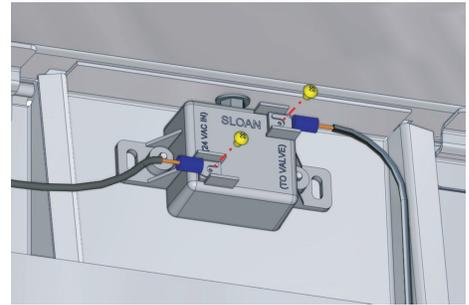


Figure 4: Unscrew and disconnect wires

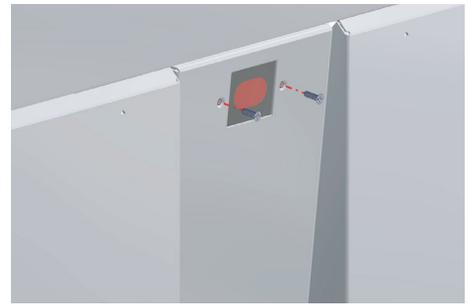


Figure 5: Remove IR sensor from panel

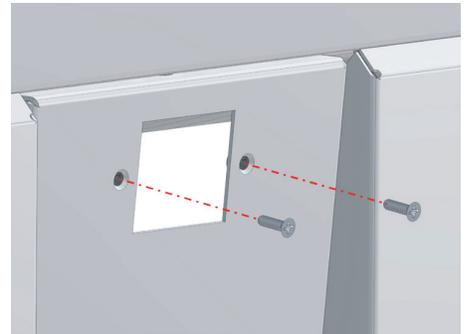


Figure 6: Insert flathead screws

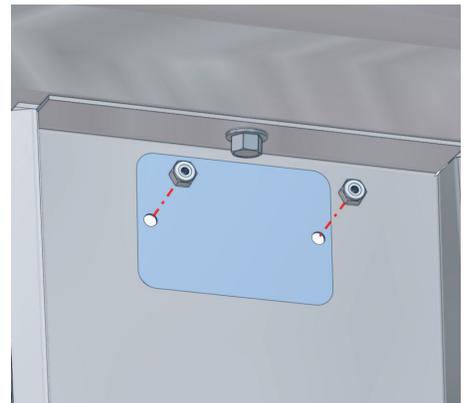


Figure 7: Place timer cap on hole

Repositioning IR Sensors from Sink Panel to Header on a Scrub Sink

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, lift IR sensor wires through the left header.
 - B. Lift IR sensor wires through the right header.
8. Re-insert the 2 small screws to the wire spades into their original positions on the IR sensors. Do not tighten. Place the sensor inside the housing and align with the screw holes of the housing (Figure 10).
9. Insert the 2 flathead screws from the panel through the housing screw holes to secure the IR sensor to the housing (Figure 11). Reconnect the wire ends to the IR sensors. From the back of the sink, reconnect the 3 wires of the left IR sensor as shown in Figure 12. The 3rd wire will connect to the right IR sensor (red arrow)
10. Reconnect the wire ends to the IR sensors. From the back of the sink, reconnect the 3 wires of the left IR sensor as shown in Figure 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 (Figure 13).
12. After reconnecting the wires to the IR sensors, tighten the wire spade screws to secure the connections.



Figure 9: Feed wires through center hole



Figure 10: Place IR sensor in housing



Figure 11: Secure IR sensor to housing



Figure 12: Connect 3 wires - left IR sensor

Figure 13: Connect 2 wires - right IR sensor

13. Insert the housing with the IR sensor into the two .312 mounting holes (Figure 14). Secure the housing to the header with 2 locknuts (Figure 15).
14. The repositioned IR sensors should appear as shown in Figure 16. Plug the sink back into its power source.



Figure 14: Attach IR sensor housing to header

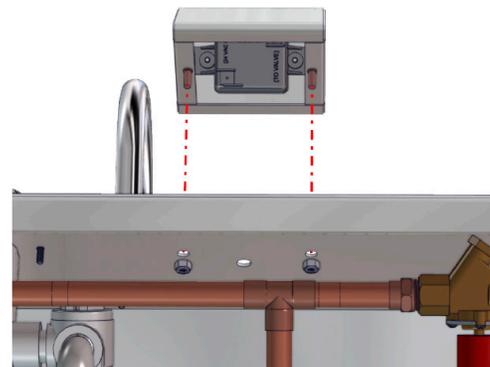


Figure 15: Secure IR sensor housing to header



Figure 16: IR sensors and housing installed on header