TSB-QLM-Presence-Sensor

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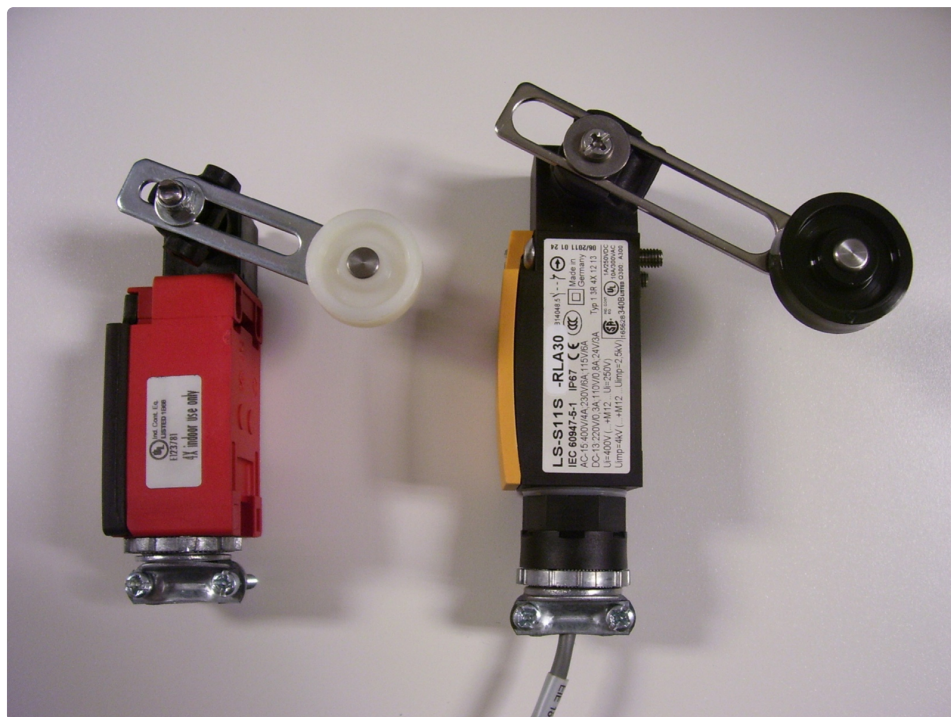   Contractor

Swapping the QLM Presence Sensors 🔗

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**Description****:** This TSB will explain how to swap the red cover QLM Presence Sensor for the yellow cover QLM Presence Sensor. **NOTE:** The new presence sensor requires different mounting screws than the old presence sensor switch. Make sure to order the mounting screws from Parts Department that are listed below before mounting the new switch.
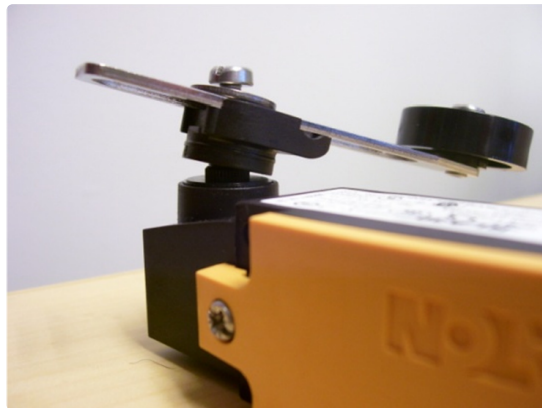

Repair Procedure

1.Set the Presence Sensor.

This picture shows the Presence Sensor as it comes from Parts. In order to reconfigure the sensor, loosen the screw (shown on left) with either a Phillips head or flat head screwdriver until the toggle bar is removed or very close to being removed.

This picture illustrates the toggle bar as it is very close to being removed from the rest of the sensor. At this point, the toggle bar can be removed and then reset to the position that is needed to properly identify the status of the QLM case.
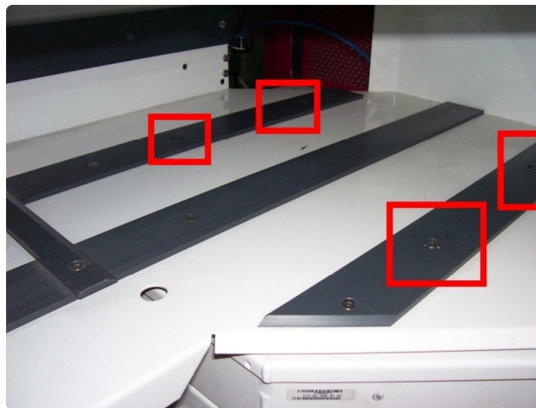
This picture shows the correct neutral position of the presence sensor. Set the toggle bar as close to this position as possible, and then tighten the screw.

After it is tightened, it is ready to be installed on the QLM bay.

2.Power down the kiosk

3.Remove the QLM Bay and Hub

Remove the four screws holding in the QLM bay. These screws are shown within the red boxes on the left. This requires the 5/32" Hex Head Driver.

Remove the presence sensor connection from the Aux Board J2 port. Remove the wire duct cover and guide the wire out of the duct. There may be zip ties that need to be cut along the way.

After the wire is free, the QLM Hub needs to be loosened and removed. Using the QLM Tool, loosen the screw until the hub is loose enough to slide off the drum shaft. The bay should now slide out of the kiosk with relative ease.

4.Replacing the QLM Presence Sensor

Now the presence sensor can be swapped. Using a 1/8" Hex Head Driver, loosen and remove the two screws highlighted on the left.

The new presence sensor uses the same wire clamp as the sensor being replaced. Loosen the two screws holding the wire. To release the wire clamp, grab the two screws (shown on left), and rotate counter-clockwise. After the wire clamp is unscrewed from the sensor, you can safely loosen the wires from the inside of the sensor.

To take out the wires from the old presence sensor, unscrew the two top screws that are holding the wires in. After the wires are loose, they should simply slide out of the terminal.

Using a Phillips head screwdriver, loosen the screw highlighted on the left and remove the yellow cover.

Unscrew the two screws shown highlighted in the box by using a jeweler screwdriver. Place the wires in the terminal underneath the screws on the left side, as shown. Tighten the screws until the wires cannot be pulled out. Put the yellow cover back on.

After the yellow cover is on, slide the wire clamp on from the end of the wire. Tighten the clamp on the sensor. Tighten the screws around the wire, and the sensor will be assembled. The finished sensor will look like this picture, on the left.

Fix the new presence sensor to the same two holes that the previous sensor was placed. The finished sensor should look like this, shown at the left.

Arrange the wire back behind the PC, through the wire duct, and connect it back to J2 on the Aux Board. Place the wire duct cover back on the duct. Place the QLM Hub back on the drum shaft. Put the QLM bay back on the lifter and fasten the four screws. Place a QLM case in the bay to realign the QLM Hub.

5.Restore Power to the Kiosk

6.Test functionality

To test functionality, watch LED 4 on the Aux Board as a QLM case is inserted and removed. When the QLM case is inserted and is tripping the sensor, LED 4 should NOT be lit. When the bay is empty, LED 4 SHOULD be lit.

Tools/Parts Needed:

Phillips or flathead screwdriver	1	DVD-99-088-00
QLM Presence Sensor	1	DVD-01-112-00
QLM Presence Sensor Screws	2	DVD-50-040-00
1/8" Hex Head Driver	1	DVD-99-083-00
QLM Tool	1	DVD-99-034-00
QLM Insert Switch Cable	1	DVD-40-047-02
Jeweler Screwdriver	1	DVD-99-091-00

Associated TSB's: TSB02-00021 - QLM Hub Alignment

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