

SETTING THE OMRON E3JM-DS70M4T-G PHOTOCELL

This document shows how to set the photocell we use in the Scala ice machines, as well as in the external stop kit.

- Take out the photocell, to open the rear cover.



Photocell on its support

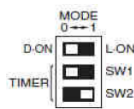


In the Scala units, it has more angle

- If the photocell has no power, connect the electrical wire (from 24V up to 240V), using #1 and #2 connectors.



- Set the dip-switches as follows:
 - D-On (0)
 - SW1 to the left (0)
 - SW2 to the right (1)



- Adjust the TIME selector to minimum, counterclockwise all the way.



- Place the photocell looking at an object, do not use a mirror or a stainless steel plate, to the desired distance we need to detect the ice and stop (like to a wall or a piece of paper).
- Set the photocell, as follows:
 - If the sensor does not detect the object (orange LED ON), turn the SENS clockwise until the led turns off. Then, turn slowly the SENS counterclockwise until the LED turns ON.
 - If the sensor detects the object (orange LED OFF), turn the SENS counterclockwise until the LED turns ON.



- Remove the object.
- Adjust TIME, two lines from the MIN mark.
- Place the photocell in its final position.
- Check the photocell by placing the hand or a piece of paper in front of it, to the required distance. After 4 seconds the LED should turn OFF.

Keep in mind that the photocell has a minimum working distance of 20 cm, and the Factory setting is 4 seconds, so the unit will not stop during the ice dropping normally.

The photocell should not have any objects in front of it, inside the distance of work, it will stop the unit.

If necessary, give some more angle to the photocell, so it doesn't have the bench in the middle.

For compact Scala 1000 to 3000 units, the distance of the photocell to an object should be 65 cm.