

SECTION 2: PHOTOCELL ADJUSTMENTS

2.1 PROGRAMMING THE OPTIONAL PHOTOCELL

The Optional Photocell Sensor Emitter and Reflector at the entrance end of the Aquastorm 200 must be aligned to provide proper detection of product as it enters the system.

PROGRAMMING

1. Turn on the facility power safety disconnect for the Aquastorm 200.
2. Locate the photocell emitter and reflector at the conveyor entrance end (mounted on the Optional Inlet Conveyor Extension).
3. Remove any objects obstructing the emitter path.
4. With the sensor connected to the specified supply voltage, aim the sensor's light beam at the target for diffused mode, at the reflector for retro-reflective mode, or align the transmitter and receiver for thru-beam mode.
5. Press the teach button once. The green LED will turn off and on again to acknowledge this step.
6. Press and hold the teach button until the green and yellow LEDs blink simultaneously (2 Hz frequency). The green and yellow LEDs will then blink alternately (2 Hz frequency) to indicate an internal set-up procedure.
7. If the teach is successful, both the green and yellow LEDs should be on continuously. The green LED indicates power is supplied to the sensor, and the yellow LED indicates the output status.
8. If the teach is not successful, the both the green and yellow LEDs blink alternately at a faster rate (4 Hz frequency) for about 5 seconds and the sensor will return to its maximum sensitivity default setting. In this case, steps 4 through 6 should be repeated.
9. The default setting for the series is maximum sensitivity. If resetting the sensitivity to default is desired, repeat steps 4 through 6 but with no target, reflector, or thru-beam alignment.

