

Operations Manual



UNDERWASH SYSTEM
p/n UNDRWSH-000000A

20250624

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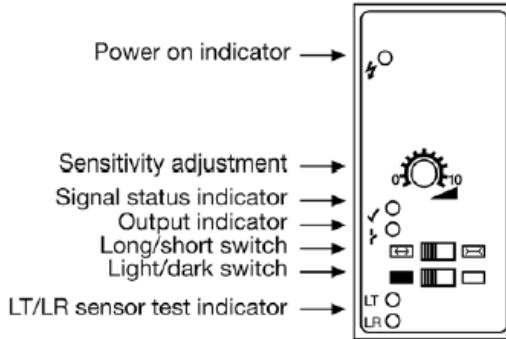
Instructions

Instructions for Setup and Adjusting the Photo-eye System

- The start/stop lighted pushbutton is located on the side of the enclosure, Press to “Start” the photo-eye control of the pumping system.
- The photo-eyes are mounted on posts at the front of the wash system. The eyes must be in line of site with each other and sensitivity set for the distance the eyes are. This is adjusted using setup sheet “Setup Photo Eye System Telco” on the Telco sensors amplifier mounted in the photo-eye enclosure box.
- The delay horn is set by moving the micro switches to the “On” position on the face of the delay timer “Airotronics” and adding the numbers for the next to the micro switches to become the seconds of delay the horn will sound before the pump system starts.
- The Off delay Timer “Macromatic” is adjusted by the knob on the front of the timer. This will let the pumping system stay on after the photo eye has been passed thru and the pumping system will continue to run for the set time.
- The system will set ideal until the photo eye is tripped and the cycle will start again.

Setup Photo Eye System

Teleco TLPA03B512SET



1. Wire per drawing.
2. Apply Power to circuit
3. Power on indicator light “Green”, Output indicator “Amber”, Photo eyes not facing each other you will see on the Yellow Photo Eye “Green” & Red Photo Eye “Red”.
4. Set switches on Amplifier to “Short switch” and “Light switch”.
5. Align photo eyes to make the Green photo eye “Green” light is on and the Red Photo eye light goes “Off”.
6. Place object between photo eyes and see Signal status indicator go “Off” and the Output indicator light “On”. If slow to change states adjust the Sensitivity adjustment to the best operation.
7. The Green Photo eye light will stay on when powers up, the red photo eye will blink “On/Off” then something breaks the photo beam.
8. Setup of photo eye system is complete.

