



P-LIGHT

Tail Lamp Cleaner

For Safety and Visibility

Installation and Instructions for Use

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See our website – support.p-light.com – for support and technical information.

E5 **P-LIGHT**
10R-06 0597



Introduction

P-LIGHT Tail Lamp Cleaner consists of 2 nozzle pipes and a control unit that is connected to the truck's air system. The control unit is controlled manually with buttons or via radio/remote control which activates compressed air through small holes in the nozzle pipes and blows the taillights clear of snow.

When installing, a shut-off valve* and an overflow valve** (6 bar) must be installed near the tank.

The overflow valve ensures that the air system is not emptied and affects the other functions of the vehicle.

From the overflow valve to the control unit, there must be a $\varnothing 16$ mm supply hose. The nozzle hose from the control unit to the nozzle pipes must be $\varnothing 10$ mm.

The length of the $\varnothing 16$ mm feed hose must be at least 0.8 x the total length of the $\varnothing 10$ mm nozzle hoses, but no less than 2.5 meters.

* Shut-off valve must have a flow of at least 8 mm, no throttling must be done.

** Overflow valve (6 bar) must have a flow of at least 8 mm, no throttling must be done

See also Wiring Diagram and Service and Maintenance on page 4.

Important Information

Important things to consider when installing P-LIGHT:

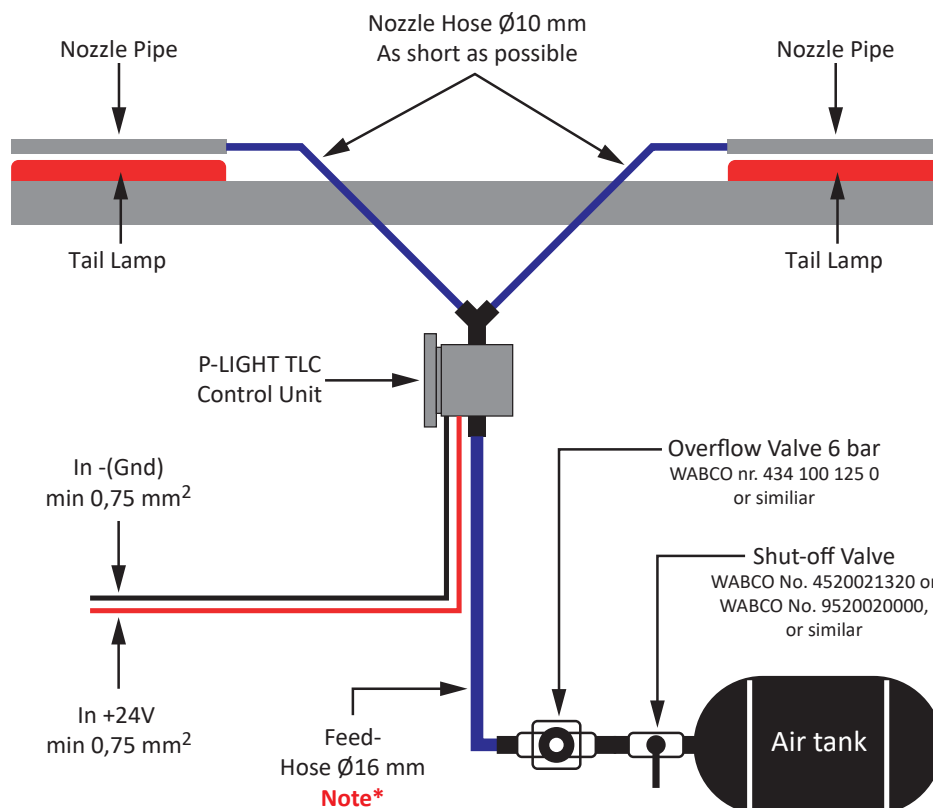
- Use the correct dimensions for hoses and cables.
- All connected equipment must be connected according to instructions.
- Mount the P-LIGHT Tail Lamp Cleaner easily accessible for use, service and maintenance and that the cable and hose routing is correct according to instructions.
- Check hoses, seals and cable entries so that everything is tight.

Documents and facts can be found on our support website support.p-light.com, it is updated continuously.

Warranty and Function:

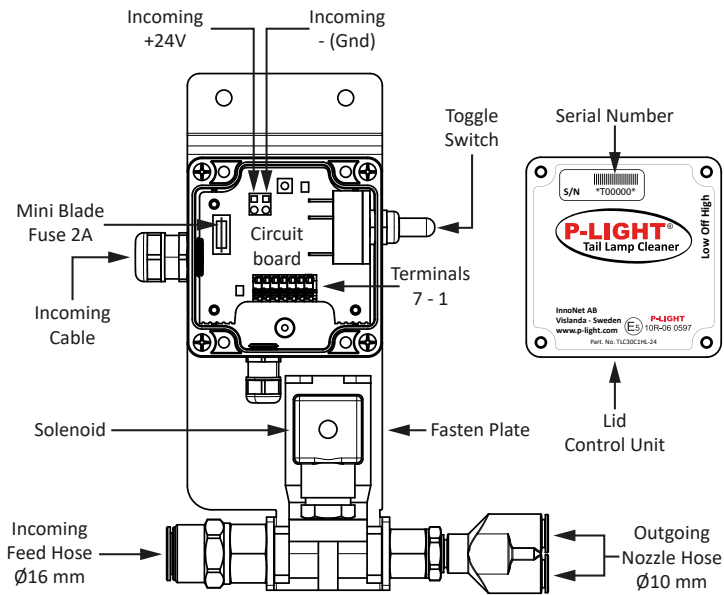
- P-LIGHT provides a 1-year product warranty. In the case of warranty matters, InnoNet's complaint procedures are followed.
- The warranty only applies when original spare parts are used.
- Service and maintenance are carried out according to recommendations.

Wiring Diagrams



***Note:** The length of the $\varnothing 16$ mm feed hose must be at least 0.8 x the total length of the $\varnothing 10$ mm nozzle hoses, not shorter than 2.5 meters

Control Unit

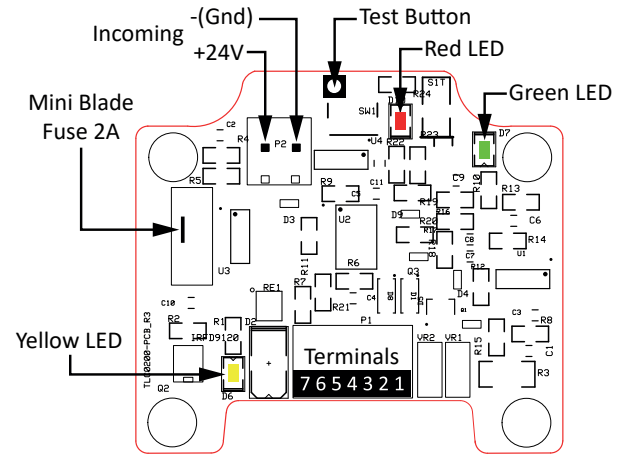


Mounting of the Control Unit

The control unit is screwed vertically to the inside or outside of the frame beam near the rear lights, or in another place at the back of the vehicle with good accessibility for turning the rocker switch on and off.

2-pin terminal is connected with min 2 x 0.75 mm², +24V and – (Gnd) pressure is on the circuit board. Incoming +24V and – (Gnd) to the control unit is advantageously taken from the P-LIGHT Battery and Power Pack or from the vehicle's lighting circuit or other direct supply.

Circuit Boards and Terminals

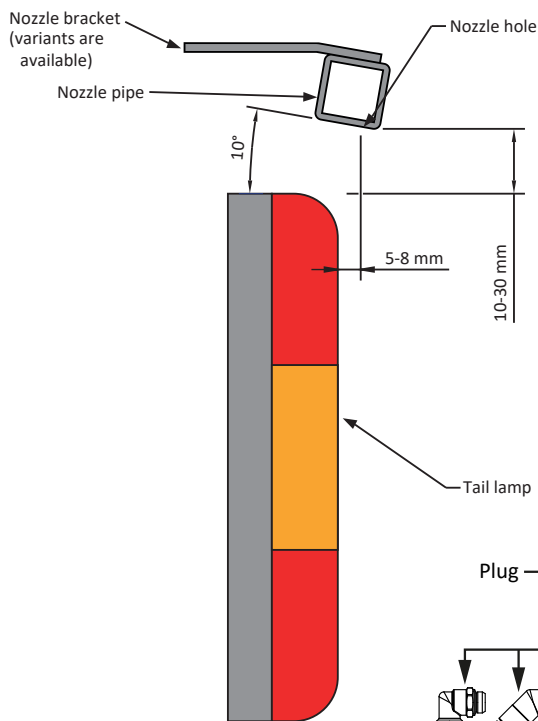


Terminals on Circuit Boards (Factory Installed)

Terminal Description

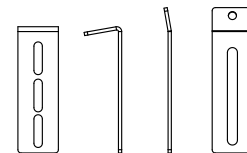
- | Terminal Description | Cable |
|--------------------------------------|-------|
| 1. To pin 1 on rocker switch "LOW". | Gray |
| 2. To pin 2 of rocker switch "HIGH". | Brown |
| 3. - (Gnd) to pin 3 on solenoid. | White |
| 4. +24V to pin 4 on rocker switch. | Blue |
| 5. +24V to pin 5 on solenoid. | Red |
| 6. Not in use | |
| 7. Not in use | |

Nozzle Pipes

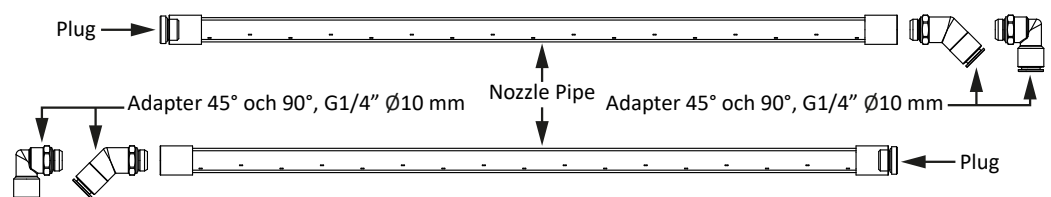


Mounting of Nozzle Pipe

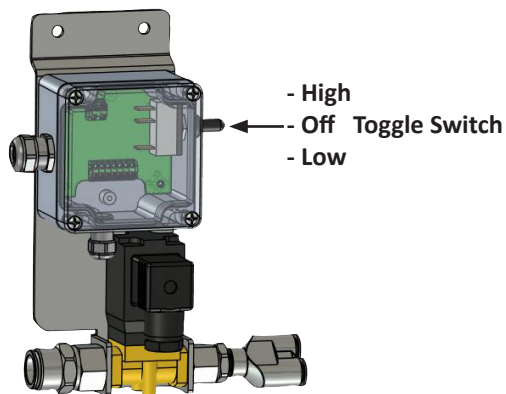
For dimensions, angles and distances: see drawing.



Nozzle attachment, various models



Instructions for Use



Activate toggle switch to "LOW" or "HIGH".

When the control unit starts, the cleaning blow is activated for 2 seconds. It then switches to the set intervals "HIGH" or "LOW" when the cart is in motion (while driving).

The control unit has a built-in vibration sensor that disconnects the function when stationary, even if the engine is running.

Blowout Sequences

High - 2 sec./2.5 minutes

Low - 2 sec/ 5:e minutes

Service and Maintenance

Annual control and thorough review must be done by you or a service workshop of the entire Tail Lamp Cleaner system before each season.

Check:

- That hoses and connections are intact and tight.
- That the control unit/box is complete and tight and that no moisture has entered the box.
- That the overflow valve switches off when the pressure drops below 6 bar.
- That the nozzle pipes are not damaged and clogged and are correctly positioned.

Run the Functional Test

1. The compressed air system on the vehicle must be full, at least 6 bar.
2. Make sure the controller is powered on and the cover is removed.
3. Set toggle switch to "HIGH". Green LED lights up.
4. Press the test button, red LED should light up.
5. The Function Test is started, the intervals are shortened to approx. 2 times/minute.
 - a. Green LED indicates that motion sensor is activated.
 - b. Yellow LED indicates that the air valve is active.
6. The Function Test ends when the toggle switch is set to the "OFF" position.

For support questions, have the serial number ready.

Product-ID

Fill in and attach with the vehicle / trailer that P-LIGHT Tail Light Cleaner is mounted on.

P-LIGHT Tail Lamp Cleaner

Manufacture date: _____ Serial No: _____ Mounted date: _____

Manufacturer / Brand (Tuck, vehicle or trailer): _____ Reg.no _____

Manufacture No (Trailer): _____ Company: _____

City: _____ Country: _____

Sign: _____



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