

Size range: 2" - 12"



The supervisory switch for indicator posts type SWIP/1 is used to monitor the open position of the vertical indicator post type VINPO or the wall indicator post type WINPO. The indicator posts can be installed easily on NRS gate valves type FNRSL / GNRSL in the range 2" up to 12".

Characteristics

- All parts have corrosion resistant finishes for indoor and outdoor use.
- Tamper resistant screws, special tool is furnished with each device.
- Two conduit entrances, one knockout and one hole for 1/2" cable gland provided.
- Adjustable length trip rod.
- Two position switch detects valve closure.
- ⚠ • When correctly installed, the switches will give an open signal when the switch is removed.
- Fine adjustment feature for fast, easy installation.
- Protection class: IP67 (with use of correct cable gland, included).
- UL / ULC Listed, FM Approved.

Working temperature

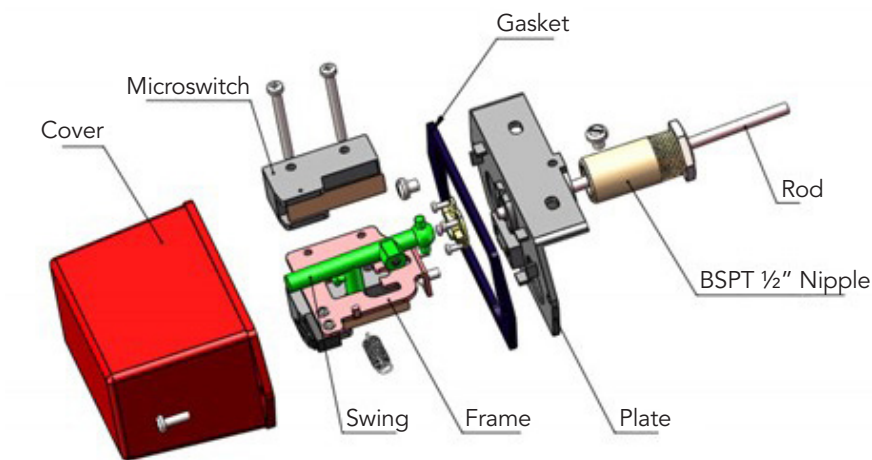
-40°C to +60°C.

Approvals

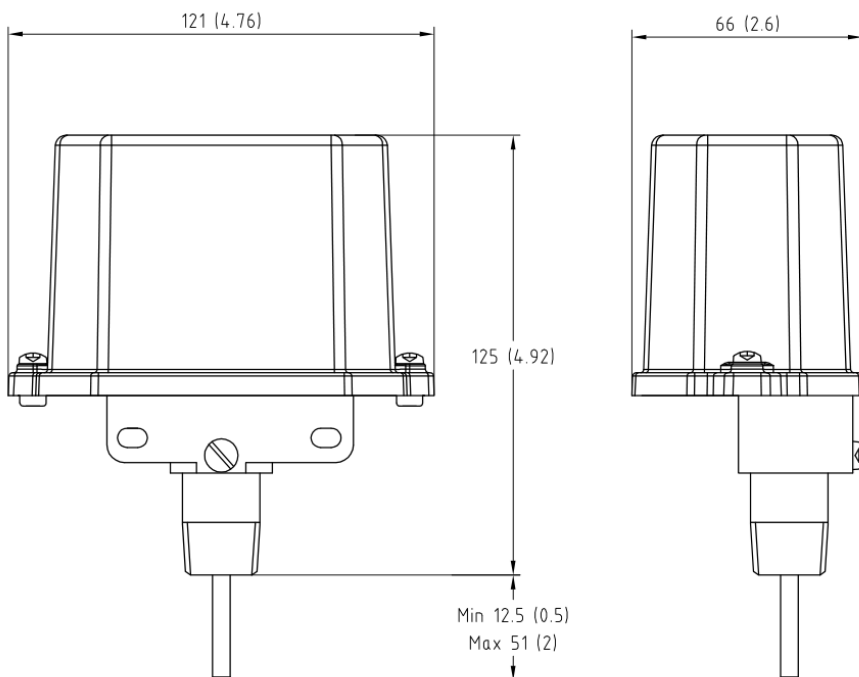
- FM approved to FM standard 3010.
- UL 346 listed.
- CE certified.

Material specifications

- Aluminum die-cast cover, red painted.
- Aluminum die-cast baseplate.
- 1 set of Polycarbonate switches SPDT with the following ratings:
 - 10 Amps at 125/250 V AC.
 - 2,5 Amps at 30 V DC Resistive.
- Stainless steel rod (SS304).
- Carbon steel, zinc plated frame and BSPT 1/2" nipple.
- Polycarbonate swing.



Dimensions



Operation principle

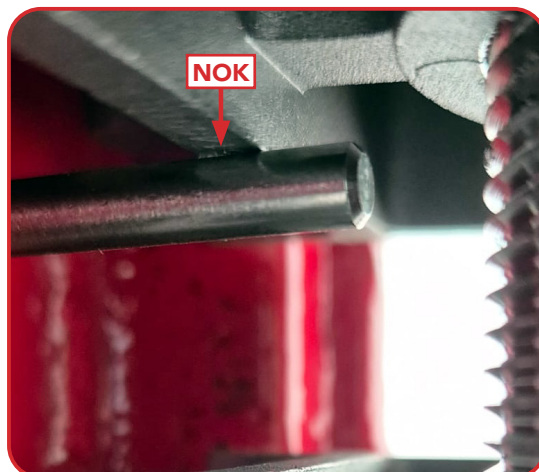
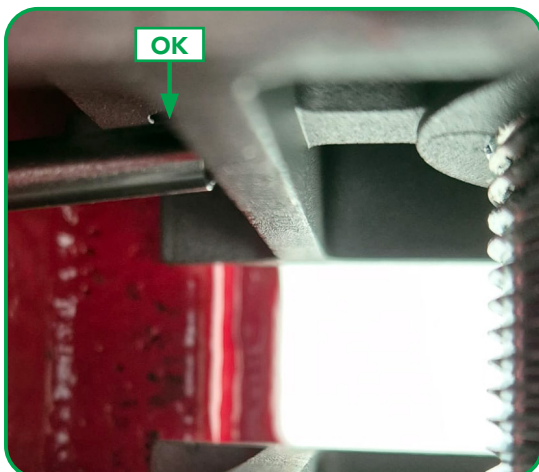
The SWIP/1 is a spring loaded switch. It is in normal open position when the trip rod is pulling against the spring force. Normal is when the switch is installed on the indicator post and the valve is fully open. As the valve closes, the valve actuator moves away from the trip rod of the SWIP/1 and the spring on the SWIP/1 pulls the trip rod over and trips the switch.

Installation instructions:

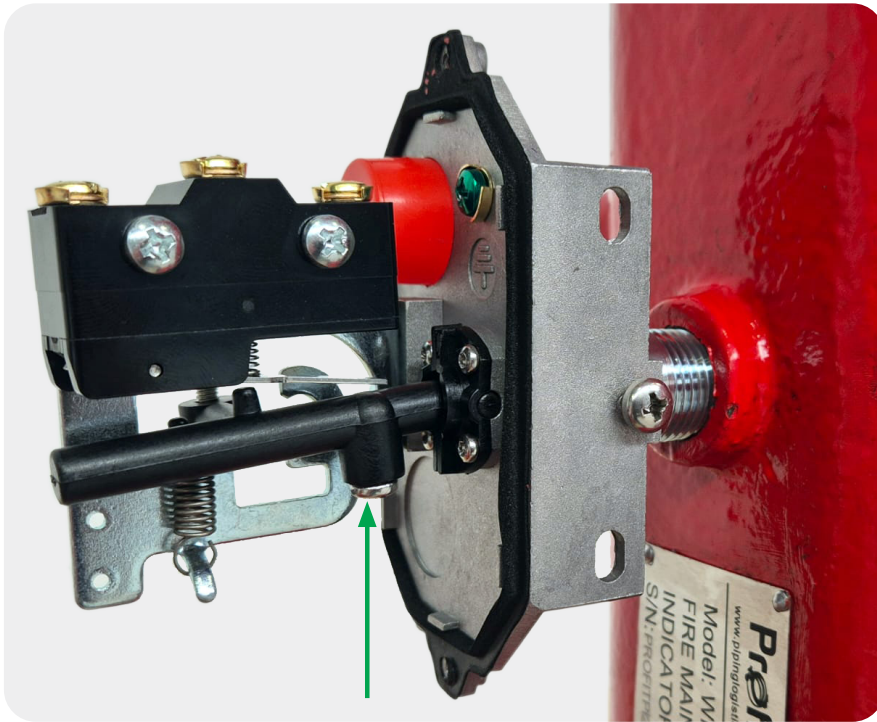
Products must be installed exclusively by qualified personnel and strictly following the instructions below. All installations must be performed in accordance with local regulations and plumbing codes.



1. Position the valve to fully open ("OPEN" should appear in the window of the housing). Partially close the valve while observing the direction that the target assembly moves. Reopen the valve. The valve housing of the WINPO and VINPO is predrilled with a ½" BSPT for installation of a monitoring switch, remove the ½" plug and fully open the valve. Make sure that "OPEN" appears in the window of the housing.
2. Loosen the locking screw that holds the trip rod in place and adjust the rod position. When adjusted properly, the rod should extend past the valve screw, but not so far that it contacts the clamp bar.
- 3.



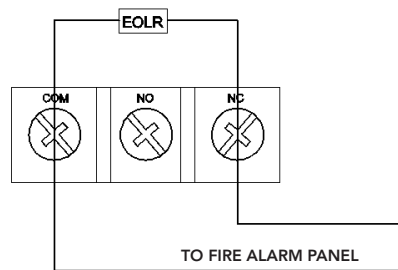
4. Tighten the locking screw to 1,7Nm to hold the trip rod in place and properly seal the enclosure.



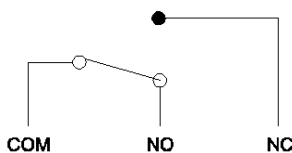
OPERATING INSTRUCTIONS

The operation of the SWIP/1 and its associated protective monitoring system shall be tested upon completion of the installation and inspected, tested and maintained in accordance with all applicable local and national codes and standards and/or the authority having jurisdiction (manufacturer recommends quarterly or more frequently). A minimum test shall consist of turning the valve operating mechanism towards the closed position. The SWIP/1 shall operate within the first two revolutions of the operating mechanism. Fully close the valve and ensure the SWIP/1 does not restore. Fully open the valve and ensure that the SWIP/1 restores to normal.

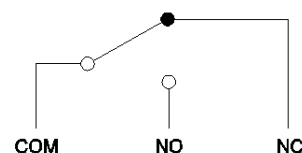
Electrical connection



INDICATOR POST NORMALLY OPEN



INDICATOR POST CLOSED



Marking



GENERAL INFO

- Installers should be trained or experienced to install and understand the product.
- Read and understand all technical datasheets and installation instructions before attempting to install, remove or adjust any Profit piping products.
- Depressurise and drain the sprinkler installation system before attempting to install, remove or adjust any Profit piping products.
- Never work on piping systems that are pressurised and / or filled with water.
- Piping Logistics reserves the right to change specifications, designs and / or standard equipment without notice and without incurring in any obligations.
- Use the necessary Personal Protection Equipment (PPE) to avoid personal injury (helmet, safety shoes and goggles, Profit gloves).



Failure to follow these instructions could result in death or serious injury and property damage.

We advise to always store our products in closed and dry environments, the products do not need any specific maintenance once installed on an aboveground sprinkler installation.

REVISION TABLE

Date	△	Notes
24/09/2024		Initial release.
26/11/2024	A	Page 1 - Addition to the characteristics.