

Detachable Optical Level Sensor - ILS-1180 series

可拆式光电液位监视器 - ILS-1180 系列

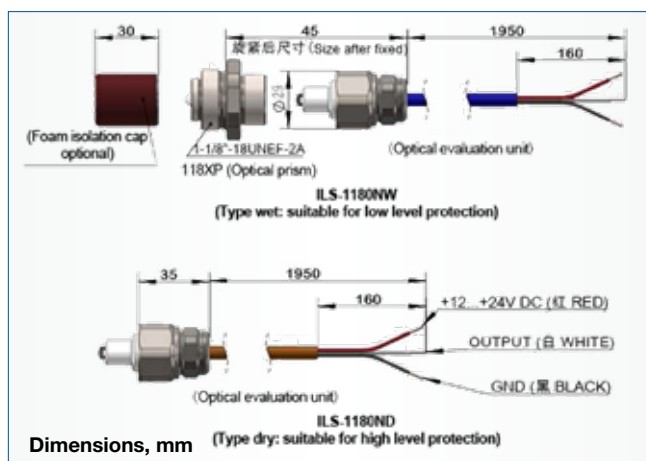


FEATURES:

- * Evaluation unit (electronic head) and screw-in optical prism (glass head) feature a detachable design. After the connection is tightened, the shell can withstand frost and ice for a long time.
- * With unconnected glass head protection, not affected by direct light, level detection anti-jitter delay processing.
- * Glass head can withstand -55°C till 125°C liquid (see technical specifications).
- * 12-24VDC supply, NPN (OPEN C) output, directly connected with PLC (source type input).
- * Foam isolation cap is optional (for 118XP prism only).

ORDER CODE:

- * ILS-1180NW: with liquid, the current sink output is ON, suitable for the protection of low level.
- * ILS-1180ND: without liquid, the current sink output is ON, suitable for the protection of high level.



SPECIFICATIONS:

Item	Description
Material	SUS304, PA66+30%GF
Ambient temperature	-40...+70°C (liquid temp. -40...+125°C) -30...+70°C (liquid temp. -55...+125°C)
Voltage	11.5 ... 24.5 VDC
Current consumption	10mA (no load)
Delay: type wet	4 +/- 1 sec, with liquid, ON 5 +/- 1 sec, without liquid, OFF
Delay: type dry	4 +/- 1 sec, with liquid, ON 5 +/- 1 sec, without liquid, OFF
Output level (connection blue)	With liquid: OUTPUT < 0.8V Without liquid: OUTPUT > Vsupply 0.25V 3-wires, AWG20#, L=1.95m
Output level (connection brown)	With liquid: OUTPUT < 0.8V Without liquid: OUTPUT > Vsupply 0.25V 3-wires, AWG20#, L=1.95m
Protection class	IP68 (after connection is tight, EN 60529)
Weight	Approx. 150gr. (without optical prism)

WIRING SCHEMATIC DIAGRAM:

