

Autonics INDUCTIVE PROXIMITY SENSOR CYLINDRICAL TYPE DC 3WIRE INSTRUCTION MANUAL

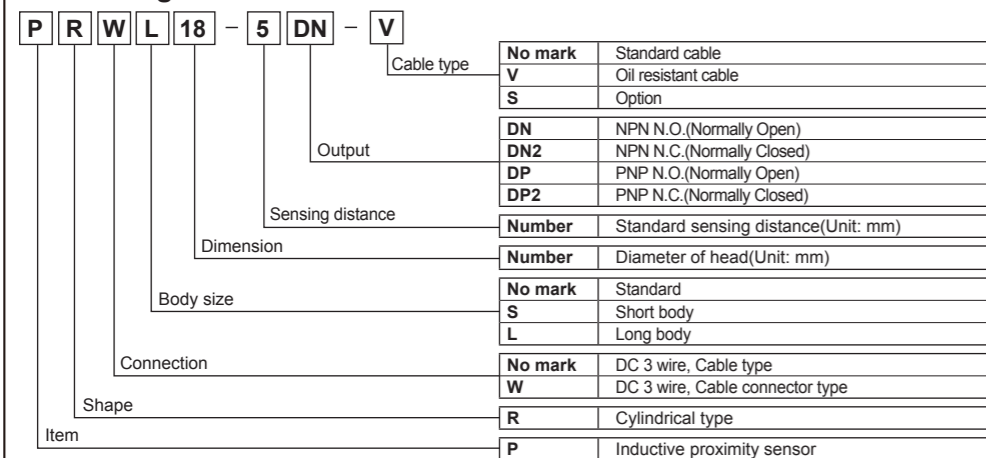


Thank you for choosing our Autonics product. Please read the following safety considerations before use.

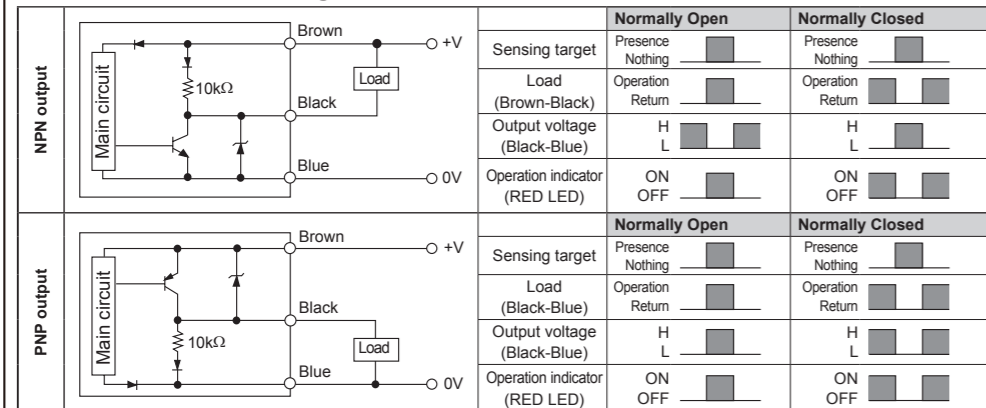
■ Safety Considerations

- Warning symbols and safety instructions: 1. Fail-safe device must be installed... 2. Do not disassemble or modify the unit... 3. Do not connect, repair, or inspect the unit while connected to a power source... 4. Check 'Connections' before wiring... Caution: Use the unit within the rated specifications.

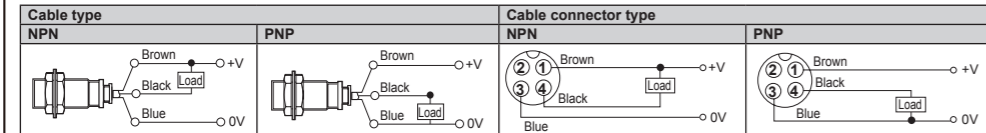
■ Ordering Information



■ Control Output Diagram & Load Operation



■ Connections



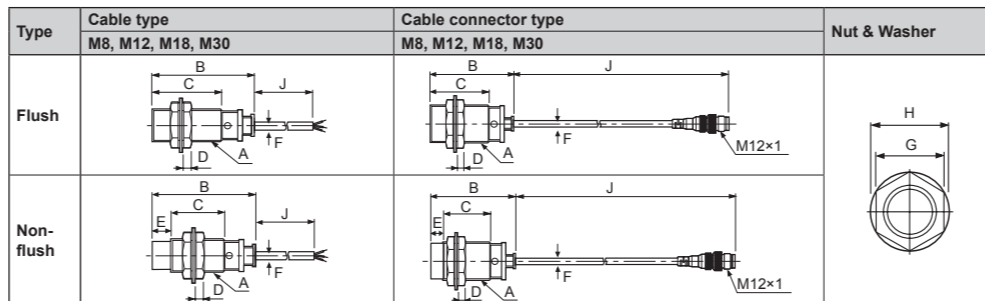
※The above specifications are subject to change and some models may be discontinued without notice. ※Be sure to follow cautions written in the instruction manual and the technical descriptions (catalog, homepage).

■ Specifications

Table of specifications including Sensing distance, Hysteresis, Standard sensing target, Setting distance, Power supply, Current consumption, Response frequency, Residual voltage, Affection by Temp., Control output, Insulation resistance, Dielectric strength, Vibration, Shock, Indicator, Environment, Protection circuit, Cable type, Materials, Approval, and Weight.

- ※1: The response frequency is the average value... ※2: Do not pull the Ø3.5mm cable with a tensile strength of 25N... ※3: The weight with packaging and the weight in parentheses is only unit weight.

■ Dimensions



Dimensions table with columns for Type, Cable type, Cable connector type, and Nut & Washer, listing dimensions A through J for various models.

■ Mutual-interference & Influence by Surrounding Metals

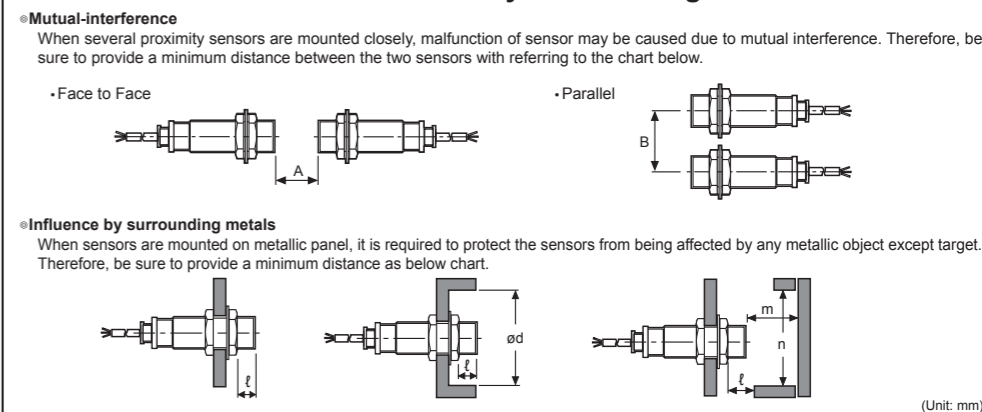
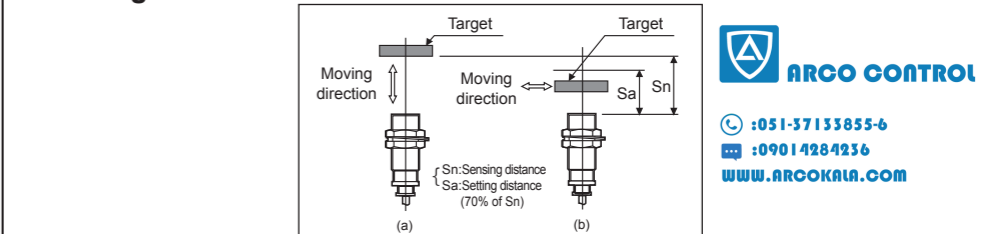


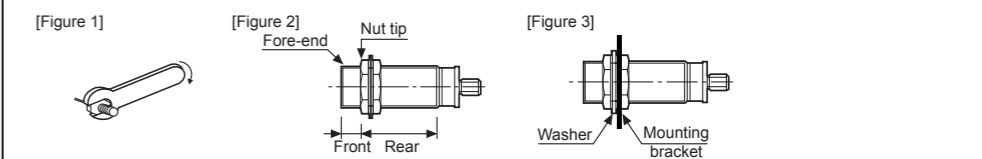
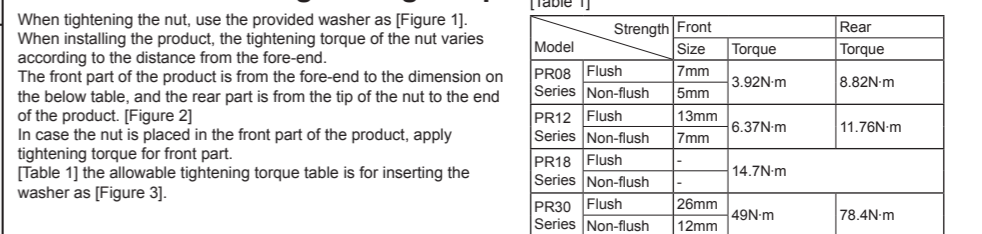
Table showing mutual-interference and influence by surrounding metals for various models (PR-08-1.5D to PRW-30-15DP) with dimensions A, B, t, ød, m, n.

■ Setting Distance



- Sensing distance can be changed by the shape, size or material of the target... • Setting distance(Sa) = Sensing distance(Sn) × 70%

■ Installation and Tightening Torque



■ Cautions during Use

- 1. Follow instructions in 'Cautions during Use'. Otherwise, it may cause unexpected accidents. 2. 12-24VDC power supply should be insulated and limited voltage/current or Class 2, SELV power supply device.

■ Major Products

List of major products including Photoelectric Sensors, Temperature Controllers, Fiber Optic Sensors, etc., with ARCO CONTROL logo and contact information.