INDUCTIVE PROXIMITY SENSOR

CYLINDRICAL TYPE DC 3WIRE

M A N U A L

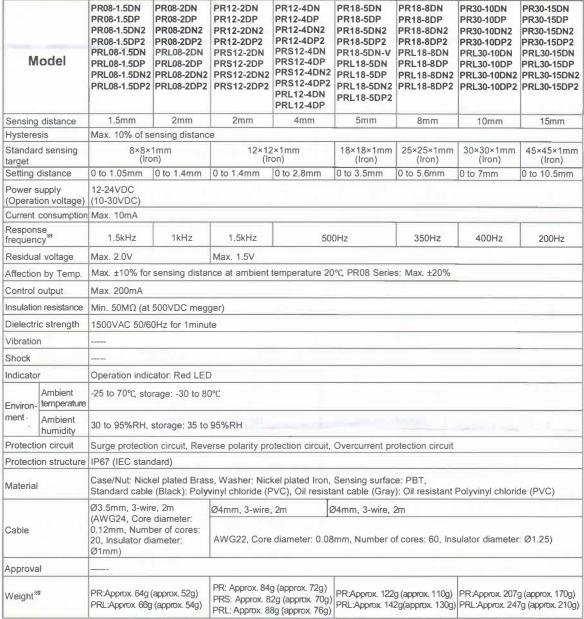
* Thank you very much for selecting Alton products.

• Improved the noise resistance with dedicated IC

- Built-in reverse polarity protection circuit (DC 3-wire type)
- Built-in surge protection circuit
- Built-in overcurrent protection circuit (DC type)
- Long life cycle and high reliability, and simple operation
- · Replaceable for micro switches and limit switches

Specifications

• DC 3-wire type



^{1:} The response frequency is the average value. The standard sensing target is used and the width is set as 2 times of the standard sensing target, 1/2 of the sensing distance for the distance.

sensing distance for the distance.

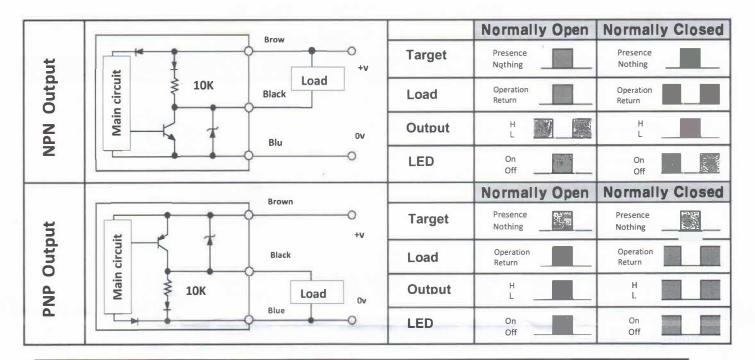
**2: Before using non-polarity type, check the condition of connected divice because residual voltage is 5V.

※3: The weight includes packaging. The weight in parentheses in for unit

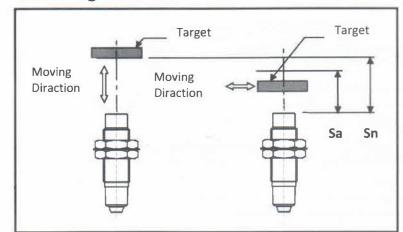




Control output diagram & Load operation



Setting distance



Sensing distance can be changed by the shape, size or material of the target.

Therefore please check the sensing distance like (a), then pass the target within range of setting distance(Sa).

• Setting distance(Sa) = Sensing distance(Sn) × 70% Ex)PR30-10DN(See ordering information)

Setting distance(Sa) = 10mm × 0.7 = 7mm

SN:sensing distance SA:setting distance (70% of SN)

