
**Safety Considerations**

Please read carefully before using and full attention to Safety Considerations. (See the attached 311-6501)

**System Configuration**

- **Detector**: Connects to the sensor (max. 12) and transmits the detected signals to the Transmitter.
- **Transmitter**: Provides power for the Detector, also passes detected signals from the Detector to the Output Sensor.
- **Output Sensor**: Puts the detected signals to an external controller, also sends power for operating of Detector and Transmitter.

**Wiring Diagram**

- [Diagram of NPN circuit showing connections and labels]
- [Diagram of PNP circuit showing connections and labels]

**LED Indication**

- **Status LED (Green)**
  - ON: The power supply is supplied.
  - OFF: The power supply is not supplied.
- **Signal LED (Orange)**
  - The in zone LED lights up when the transmission part and the output are in a communicating state and communication is possible.

**Installation Notes**

- [Diagram showing installation notes]

**Bending Radius of Cable**

- [Diagram showing bending radius guidelines]

**Specification of the System**

- **Type**: RS12A-422PU-
- **Applicable sensor**: DC 3-wire sensor
- **Drive current**: 1.5A
- **Power source**: 24V DC
- **Cable**: PUR 6.8mm (20.8 mm² + 18x0.1 mm²)
- **Material**: PMMA
- **Heat resistance**: 85°C
- **Weight**: 1.15g + Cable 106g/m

**Application Example**

- [Diagram showing application example]

**Lighting Time of the LED**

- [Diagram showing lighting time intervals]

**Interference**

- [Diagram showing interference levels]

**Additional Information**

- Please use sensors that operate properly with the conditions on the data sheet.

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