Never pull the cable strongly over 3mm.

**Output Sensor:**

- The drive current is dependent on the transmission distance between Transmitter and RPE8 A.
- Use a regulated power supply, e.g., switch-model type.
- Use of a full-wave rectification type simplifies power supplies.

**Detectors** and **Transmitter**:

- Please note that the signal may become unstable (false signal or chattering) when the transmission distance and the center offset are outside the specification range.
- Use of a non-flush mounting should be kept apart from motor or other power cable.
- To avoid malfunction caused by induction noise, cables should be kept away from power cables.
- Please note that the signal may become unstable (false signal or chattering) when the transmission distance and the center offset are outside the specification range.
- Ensure correct connections in accordance with the wiring diagram.

**Dimensions**:

- Transmitter: RPT8-3007D-PU
- Output Sensor: RPE8-3000N/PU (NPN)
- RPT8-3000P-PU (PNP)
- RPT8-3000N-P (NPN)

**Specifications**:

- Type number: A005
- Rated transmitting distance: 2 ~ 7mm
- Center offset: ± 3mm
- Drive current: 5mA ± 5mA (per switch)
- Drive voltage: 20 ~ 26V DC
- Supply voltage: 24V DC ± 10% (incl. ripple)
- Current consumption: ≤ 400mA

**Function of each component**:

- **Detector**: Connects DC2W or mechanical limit switches (max. 8) and transmits the detected signals to Transmitter.
- **Transmitter**: Provides power for Detector, also passes detected signals from Detector to Output Sensor.
- **Output Sensor**: Puts out detected signal to external controller, also sends power for operating of Detector and Transmitter.

**Wiring diagram**:

- Connecting DC2W type switch (incl. mechanical limit switch)

**Construction of the system**:

- DC24V
- [Transmitter] DC24V
- [Detector] DC24V

**Transmitting area diagram**:

- [Example: Supply voltage at 24V DC]

**Attention for Installation**:

- Before using the Remote Sensor, read this manual carefully.
- During installation and operation, pay close attention to the safety aspect.
- Ensure the power is switched off during installation or maintenance operations.
- Use of a regulated power supply, such as a full-wave rectification type, will cause the permissible ripple rating to be exceeded, and may cause malfunction.
- Ensure correct connections in accordance with the wiring diagram.
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- Please note that the output signal is established within the specification range. Please note that it does not guarantee signals output outside the specification range.

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