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

### Safety Considerations

- **Note:** Observe all safety considerations for safe and proper product operation to avoid hazards.
- **Symbol:** Represents caution due to special circumstances in which hazards may occur.

### Warning

Failure to follow these instructions may result in serious injury or death.

- 1. Follow instructions in "Caution" during use. Otherwise, it may cause unexpected accidents.
- 2. 5VDC, 12-24VDC power supply should be insulated and limited voltage/current or Class 2, SELV power supply devices.
- 3. For use with the unit with the equipment which generates noise (switching regulator, inverters, servo motor, etc.) ground the shield wire to the F.G. terminal.
- 4. Ground the shield wire to the F.G. terminal.
- 5. When using switching mode power supply, frame ground (F.G.) terminal of power supply should be grounded.
- 6. Wire as short as possible and keep away from high voltage lines or power lines, to prevent interference.
- 7. For Line driver output, use the twisted pair wire which is attached seal and use the receiver via RS-422/485 communication.
- 8. Check the wire type and response frequency when extending wire because of distortion of waveform or residual voltage increment etc by the resistance or capacity between lines.
- 9. This unit may be used in the following environments.
- 10. Installation category II.

### Major Products

- **Temperature Range:** -20°C to +70°C
- **Humidity:** 20%RH to 90%RH non-condensing
- **Operational Height:** 0 to 2,000 meters

### Connections

- **Input:** 2m
- **Output:** 2m

### Output Waveforms

- **Tachometer/Pulse (Rate) Meters**

### Dimensions

- **Axial cable type:** Axial cable connector type (IP65)
- **Radial cable type:** Radial connector type

### Specifications

- **Input/Output Circuit:** Input: 20mA, Output: 20mA
- **Power Supply:** 5VDC ±5%

### Ordering Information

- **Ordering Information:**
  - E50S SERIES
  - CID9S-2, CID9S-5, CID9S-10, CID9S-15

### Control Output Diagram

- **Axial cable type:** Axial cable connector type
- **Radial cable type:** Radial connector type

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