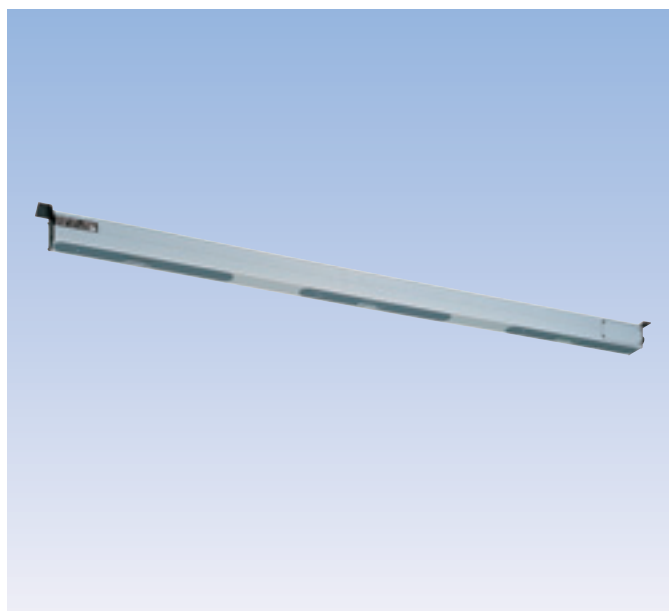



DW-S series

Reflective light curtain sensors



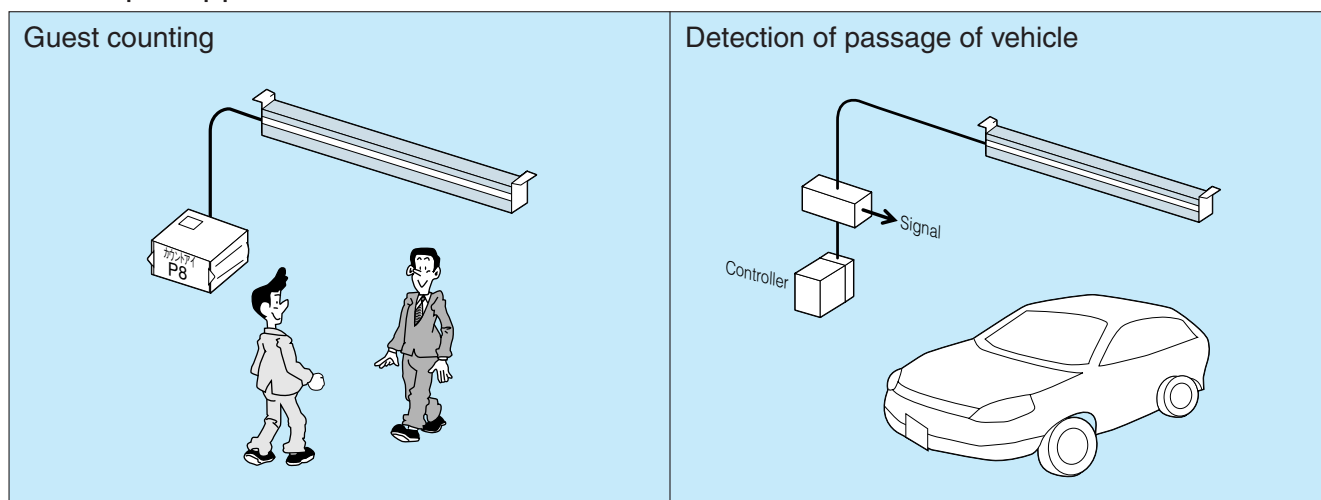
- Detection accuracy is improved by incorporating a limited-distance reflective system
- Overlapped passage (entry and exit simultaneously) reliably detected
- Direction of passage differentiated
- Ideal as a for guest counting sensor

Type

| Detection method | Detecting distance | Model | Detecting width | Output mode |
|----------------------------------|--|----------|-----------------|----------------|
| Limited-distance reflective type |  0.2-1m | DW-S500 | 500mm | Open collector |
| | | DW-S900 | 900mm | |
| | | DW-S1500 | 1500mm | |

• 2 m type also available. (*2)

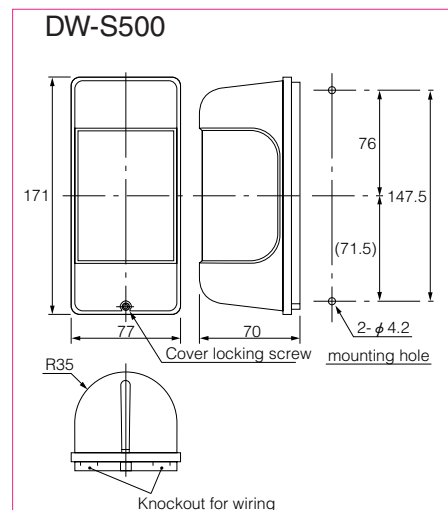
Sample Application



Rating/Performance/Specification

| Model | DW-S500 | DW-S900 | DW-S1500 |
|-------------------------|---|-------------|--------------|
| Detection method | Limited-distance reflective type | | |
| Detecting distance | 0.2-1m | 0.2-1m (*2) | |
| No. of built-in sensors | 2 | 4 | 6 |
| Detecting width | About 500mm | About 950mm | About 1500mm |
| Speed of passage | 2-7km / hour | | |
| Power supply | 12V DC \pm 10% | | |
| Power consumption | 160mA | 250mA | 300mA |
| Output mode | Open collector / Rating: 50 mA (30 VDC) max. | | |
| No. of outputs | 2 (*) | 4 | 6 |
| One-shot timer | 500ms | 150ms | |
| Operation mode | Light-ON | | |
| Hysteresis | 10% max. of detecting distance | | |
| Connection | Terminal block (*1) | | |
| Case material | Resin | Aluminum | |
| Mass | About 0.5kg | About 3kg | About 4.5kg |
| Notes | *Product with direction differentiation output is also available. *1 DW-S1500 also has a type with cord attached in direction of sensor side. *2 2 m type also available (excluding DW-S500). | | |

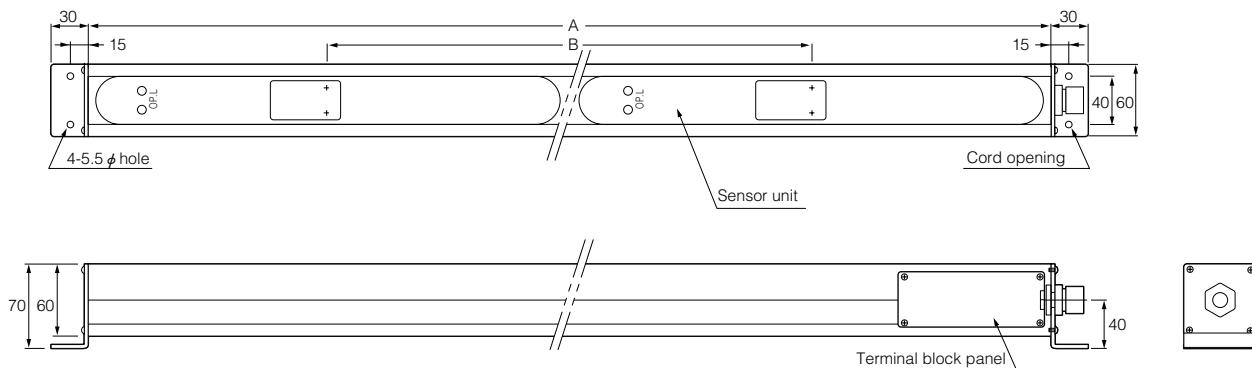
Dimensions (in mm)



Environmental Specification

| Environment | Specification |
|----------------------|--|
| Ambient light | Sunlight: illumination on light receiving surface 10,000 max. Incandescent lamp: illumination on light receiving surface 3,000 max. |
| Ambient temperature | 0 - +50 °C (non-freezing) |
| Ambient humidity | 35-85%RH (non-condensing) |
| Protective structure | IP40 |
| Vibration | 10-55 Hz / 1.5 mm amplitude / 2 hours each in 3 directions |

DW-S900 / 1500



• Dimensions of portions (in mm)

| Model | DW-S900 | DW-S1500 |
|-------------------------|---------|----------|
| A | 950 | 1500 |
| B | 550 | 1100 |
| No. of built-in sensors | 2 | 3 |