

# Waterproof Type Safety Curtain

[WR Series]

- Designed to fit in harsh environment
- Water and oil resistant
- IP68 enclosure rating
- 0.1 to 15 m detecting range



### IP68 enclosure rating

Designed for harsh environments, the WR series features IP68 rated enclosure rating. Resistant against water and oil.



### Various detection capability

The safety curtain boasts an impressive range of detection capabilities, available in 20 mm, 30 mm, and 50 mm, ensuring unparalleled precision and adaptability for any application.



20 mm  
Finger  
detection



30 mm  
Hand  
detection



50 mm  
Arm or leg  
detection

### 0.1 to 15m detection distance

0.1 to 15 M

MAXIMUM DETECTION DISTANCE

### Extra protected yet slim in design

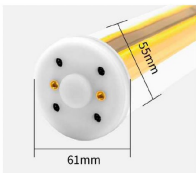
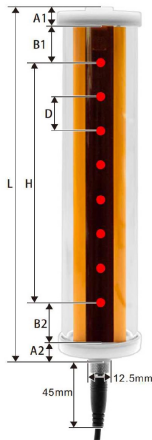


### 10ms instant hazard detection

With a response time of less than 10ms, ensures immediate detection and machine stoppage, minimizing the risk of accidents in high-speed environments.

### Dimensions

unit: mm



|    |                   |
|----|-------------------|
| A1 | Upper cover       |
| A2 | Bottom cover      |
| B1 | Upper blind spot  |
| B2 | Bottom blind spot |
| D  | Pitch axes        |
| H  | Detection area    |
| L  | Total length      |

|         |                       |
|---------|-----------------------|
| L       | A1 + A2 + B1 + B2 + H |
| H       | (No. of axes - 1) * D |
| A1 & A2 | 14 mm                 |
| B1      | 0.5 mm * D            |
| B2      | (0.5mm * D) + 27 mm   |

### Ordering guide

GZXX-YY-Z

|    |                                        |
|----|----------------------------------------|
| XX | Pitch axes                             |
| YY | Total length                           |
| Z  | Wiring method                          |
|    | K = Dual output signal                 |
|    | L = With internal relay & N.O. or N.C. |

10 mm pitch

| Model     |           | No. of axes | Detection area (mm) | Total length (mm) | Pitch axes (mm) |
|-----------|-----------|-------------|---------------------|-------------------|-----------------|
| NPN       | PNP       |             |                     |                   |                 |
| WR10-N8   | WR10-P8   | 8           | 70                  | 135               | 10              |
| WR10-N10  | WR10-P10  | 10          | 90                  | 155               |                 |
| WR10-N12  | WR10-P12  | 12          | 110                 | 175               |                 |
| WR10-N14  | WR10-P14  | 14          | 130                 | 195               |                 |
| WR10-N16  | WR10-P16  | 16          | 150                 | 215               |                 |
| WR10-N18  | WR10-P18  | 18          | 170                 | 235               |                 |
| WR10-N20  | WR10-P20  | 20          | 190                 | 255               |                 |
| WR10-N22  | WR10-P22  | 22          | 210                 | 275               |                 |
| WR10-N24  | WR10-P24  | 24          | 230                 | 295               |                 |
| WR10-N26  | WR10-P26  | 26          | 250                 | 315               |                 |
| WR10-N28  | WR10-P28  | 28          | 270                 | 335               |                 |
| WR10-N30  | WR10-P30  | 30          | 290                 | 355               |                 |
| WR10-N32  | WR10-P32  | 32          | 310                 | 375               |                 |
| WR10-N34  | WR10-P34  | 34          | 330                 | 395               |                 |
| WR10-N36  | WR10-P36  | 36          | 350                 | 415               |                 |
| WR10-N38  | WR10-P38  | 38          | 370                 | 435               |                 |
| WR10-N40  | WR10-P40  | 40          | 390                 | 455               |                 |
| WR10-N42  | WR10-P42  | 42          | 410                 | 475               |                 |
| WR10-N44  | WR10-P44  | 44          | 430                 | 495               |                 |
| WR10-N46  | WR10-P46  | 46          | 450                 | 515               |                 |
| WR10-N48  | WR10-P48  | 48          | 470                 | 535               |                 |
| WR10-N50  | WR10-P50  | 50          | 490                 | 555               |                 |
| WR10-N52  | WR10-P52  | 52          | 510                 | 575               |                 |
| WR10-N54  | WR10-P54  | 54          | 530                 | 595               |                 |
| WR10-N56  | WR10-P56  | 56          | 550                 | 615               |                 |
| WR10-N58  | WR10-P58  | 58          | 570                 | 635               |                 |
| WR10-N60  | WR10-P60  | 60          | 590                 | 655               |                 |
| WR10-N62  | WR10-P62  | 62          | 610                 | 675               |                 |
| WR10-N64  | WR10-P64  | 64          | 630                 | 695               |                 |
| WR10-N66  | WR10-P66  | 66          | 650                 | 715               |                 |
| WR10-N68  | WR10-P68  | 68          | 670                 | 735               |                 |
| WR10-N70  | WR10-P70  | 70          | 690                 | 755               |                 |
| WR10-N72  | WR10-P72  | 72          | 710                 | 775               |                 |
| WR10-N74  | WR10-P74  | 74          | 730                 | 795               |                 |
| WR10-N76  | WR10-P76  | 76          | 750                 | 815               |                 |
| WR10-N78  | WR10-P78  | 78          | 770                 | 835               |                 |
| WR10-N80  | WR10-P80  | 80          | 790                 | 855               |                 |
| WR10-N82  | WR10-P82  | 82          | 810                 | 875               |                 |
| WR10-N84  | WR10-P84  | 84          | 830                 | 895               |                 |
| WR10-N86  | WR10-P86  | 86          | 850                 | 915               |                 |
| WR10-N88  | WR10-P88  | 88          | 870                 | 935               |                 |
| WR10-N90  | WR10-P90  | 90          | 890                 | 955               |                 |
| WR10-N92  | WR10-P92  | 92          | 910                 | 975               |                 |
| WR10-N94  | WR10-P94  | 94          | 930                 | 995               |                 |
| WR10-N96  | WR10-P96  | 96          | 950                 | 1015              |                 |
| WR10-N98  | WR10-P98  | 98          | 970                 | 1035              |                 |
| WR10-N100 | WR10-P100 | 100         | 990                 | 1055              |                 |
| WR10-N102 | WR10-P102 | 102         | 1010                | 1075              |                 |
| WR10-N104 | WR10-P104 | 104         | 1030                | 1095              |                 |
| WR10-N106 | WR10-P106 | 106         | 1050                | 1115              |                 |
| WR10-N108 | WR10-P108 | 108         | 1070                | 1135              |                 |
| WR10-N110 | WR10-P110 | 110         | 1090                | 1155              |                 |
| WR10-N112 | WR10-P112 | 112         | 1110                | 1175              |                 |
| WR10-N114 | WR10-P114 | 114         | 1130                | 1195              |                 |
| WR10-N116 | WR10-P116 | 116         | 1150                | 1215              |                 |
| WR10-N118 | WR10-P118 | 118         | 1170                | 1235              |                 |
| WR10-N120 | WR10-P120 | 120         | 1190                | 1255              |                 |
| WR10-N122 | WR10-P122 | 122         | 1210                | 1275              |                 |
| WR10-N124 | WR10-P124 | 124         | 1230                | 1295              |                 |
| WR10-N126 | WR10-P126 | 126         | 1250                | 1315              |                 |
| WR10-N128 | WR10-P128 | 128         | 1270                | 1335              |                 |
| WR10-N130 | WR10-P130 | 130         | 1290                | 1355              |                 |
| WR10-N132 | WR10-P132 | 132         | 1310                | 1375              |                 |
| WR10-N134 | WR10-P134 | 134         | 1330                | 1395              |                 |
| WR10-N136 | WR10-P136 | 136         | 1350                | 1415              |                 |
| WR10-N138 | WR10-P138 | 138         | 1370                | 1435              |                 |
| WR10-N140 | WR10-P140 | 140         | 1390                | 1455              |                 |
| WR10-N142 | WR10-P142 | 142         | 1410                | 1475              |                 |
| WR10-N144 | WR10-P144 | 144         | 1430                | 1495              |                 |
| WR10-N146 | WR10-P146 | 146         | 1450                | 1515              |                 |
| WR10-N148 | WR10-P148 | 148         | 1470                | 1535              |                 |
| WR10-N150 | WR10-P150 | 150         | 1490                | 1555              |                 |

Safety Curtain

Overview

Code Reader

Handheld Reader

Vision Sensor

Vision System

Fiberoptic Sensor

Photoelectric Sensor

RGB Colour Sensor

Proximity Sensor

Ultrasonic Sensor

Safety Curtain

Ionizer

Safety Curtain

WR Series

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- Code Reader
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- Proximity Sensor
- Ultrasonic Sensor
- Safety Curtain
- Ionizer

| Model     |           | No. of axes | Detection area (mm) | Total length (mm) | Pitch axes (mm) |
|-----------|-----------|-------------|---------------------|-------------------|-----------------|
| NPN       | PNP       |             |                     |                   |                 |
| WR10-N152 | WR10-P152 | 152         | 1510                | 1575              | 10              |
| WR10-N154 | WR10-P154 | 154         | 1530                | 1595              |                 |
| WR10-N156 | WR10-P156 | 156         | 1550                | 1615              |                 |
| WR10-N158 | WR10-P158 | 158         | 1570                | 1635              |                 |
| WR10-N160 | WR10-P160 | 160         | 1590                | 1655              |                 |
| WR10-N162 | WR10-P162 | 162         | 1610                | 1675              |                 |
| WR10-N164 | WR10-P164 | 164         | 1630                | 1695              |                 |
| WR10-N166 | WR10-P166 | 166         | 1650                | 1715              |                 |
| WR10-N168 | WR10-P168 | 168         | 1670                | 1735              |                 |
| WR10-N170 | WR10-P170 | 170         | 1690                | 1755              |                 |
| WR10-N172 | WR10-P172 | 172         | 1710                | 1775              |                 |
| WR10-N174 | WR10-P174 | 174         | 1730                | 1795              |                 |
| WR10-N176 | WR10-P176 | 176         | 1750                | 1815              |                 |
| WR10-N178 | WR10-P178 | 178         | 1770                | 1835              |                 |
| WR10-N180 | WR10-P180 | 180         | 1790                | 1855              |                 |
| WR10-N182 | WR10-P182 | 182         | 1810                | 1875              |                 |
| WR10-N184 | WR10-P184 | 184         | 1830                | 1895              |                 |
| WR10-N186 | WR10-P186 | 186         | 1850                | 1915              |                 |
| WR10-N188 | WR10-P188 | 188         | 1870                | 1935              |                 |
| WR10-N190 | WR10-P190 | 190         | 1890                | 1955              |                 |
| WR10-N192 | WR10-P192 | 192         | 1910                | 1975              |                 |
| WR10-N194 | WR10-P194 | 194         | 1930                | 1995              |                 |
| WR10-N196 | WR10-P196 | 196         | 1950                | 2015              |                 |
| WR10-N198 | WR10-P198 | 198         | 1970                | 2035              |                 |
| WR10-N200 | WR10-P200 | 200         | 1990                | 2055              |                 |
| WR10-N202 | WR10-P202 | 202         | 2010                | 2075              |                 |
| WR10-N204 | WR10-P204 | 204         | 2030                | 2095              |                 |
| WR10-N206 | WR10-P206 | 206         | 2050                | 2115              |                 |
| WR10-N208 | WR10-P208 | 208         | 2070                | 2135              |                 |
| WR10-N210 | WR10-P210 | 210         | 2090                | 2155              |                 |
| WR10-N212 | WR10-P212 | 212         | 2110                | 2175              |                 |
| WR10-N214 | WR10-P214 | 214         | 2130                | 2195              |                 |
| WR10-N216 | WR10-P216 | 216         | 2150                | 2215              |                 |
| WR10-N218 | WR10-P218 | 218         | 2170                | 2235              |                 |
| WR10-N220 | WR10-P220 | 220         | 2190                | 2255              |                 |
| WR10-N222 | WR10-P222 | 222         | 2210                | 2275              |                 |
| WR10-N224 | WR10-P224 | 224         | 2230                | 2295              |                 |
| WR10-N226 | WR10-P226 | 226         | 2250                | 2315              |                 |
| WR10-N228 | WR10-P228 | 228         | 2270                | 2335              |                 |
| WR10-N230 | WR10-P230 | 230         | 2290                | 2355              |                 |
| WR10-N232 | WR10-P232 | 232         | 2310                | 2375              |                 |
| WR10-N234 | WR10-P234 | 234         | 2330                | 2395              |                 |
| WR10-N236 | WR10-P236 | 236         | 2350                | 2415              |                 |
| WR10-N238 | WR10-P238 | 238         | 2370                | 2435              |                 |
| WR10-N240 | WR10-P240 | 240         | 2390                | 2455              |                 |
| WR10-N242 | WR10-P242 | 242         | 2410                | 2475              |                 |
| WR10-N244 | WR10-P244 | 244         | 2430                | 2495              |                 |
| WR10-N246 | WR10-P246 | 246         | 2450                | 2515              |                 |
| WR10-N248 | WR10-P248 | 248         | 2470                | 2535              |                 |
| WR10-N250 | WR10-P250 | 250         | 2490                | 2555              |                 |
| WR10-N252 | WR10-P252 | 252         | 2510                | 2575              |                 |
| WR10-N254 | WR10-P254 | 254         | 2530                | 2595              |                 |
| WR10-N256 | WR10-P256 | 256         | 2550                | 2615              |                 |

| 20 mm pitch |          | No. of axes | Detection area (mm) | Total length (mm) | Pitch axes (mm) |
|-------------|----------|-------------|---------------------|-------------------|-----------------|
| NPN         | PNP      |             |                     |                   |                 |
| WR20-N4     | WR20-P4  | 4           | 60                  | 135               | 20              |
| WR20-N6     | WR20-P6  | 6           | 100                 | 175               |                 |
| WR20-N8     | WR20-P8  | 8           | 140                 | 215               |                 |
| WR20-N10    | WR20-P10 | 10          | 180                 | 255               |                 |
| WR20-N12    | WR20-P12 | 12          | 220                 | 295               |                 |
| WR20-N14    | WR20-P14 | 14          | 260                 | 335               |                 |
| WR20-N16    | WR20-P16 | 16          | 300                 | 375               |                 |
| WR20-N18    | WR20-P18 | 18          | 340                 | 415               |                 |
| WR20-N20    | WR20-P20 | 20          | 380                 | 455               |                 |
| WR20-N22    | WR20-P22 | 22          | 420                 | 495               |                 |
| WR20-N24    | WR20-P24 | 24          | 460                 | 535               |                 |
| WR20-N26    | WR20-P26 | 26          | 500                 | 575               |                 |
| WR20-N28    | WR20-P28 | 28          | 540                 | 615               |                 |
| WR20-N30    | WR20-P30 | 30          | 580                 | 655               |                 |
| WR20-N32    | WR20-P32 | 32          | 620                 | 695               |                 |

| Model     |           | No. of axes | Detection area (mm) | Total length (mm) | Pitch axes (mm) |
|-----------|-----------|-------------|---------------------|-------------------|-----------------|
| NPN       | PNP       |             |                     |                   |                 |
| WR20-N32  | WR20-P32  | 32          | 620                 | 695               | 20              |
| WR20-N34  | WR20-P34  | 34          | 660                 | 735               |                 |
| WR20-N36  | WR20-P36  | 36          | 700                 | 775               |                 |
| WR20-N38  | WR20-P38  | 38          | 740                 | 815               |                 |
| WR20-N40  | WR20-P40  | 40          | 780                 | 855               |                 |
| WR20-N42  | WR20-P42  | 42          | 820                 | 895               |                 |
| WR20-N44  | WR20-P44  | 44          | 860                 | 935               |                 |
| WR20-N46  | WR20-P46  | 46          | 900                 | 975               |                 |
| WR20-N48  | WR20-P48  | 48          | 940                 | 1015              |                 |
| WR20-N50  | WR20-P50  | 50          | 980                 | 1055              |                 |
| WR20-N52  | WR20-P52  | 52          | 1020                | 1095              |                 |
| WR20-N54  | WR20-P54  | 54          | 1060                | 1135              |                 |
| WR20-N56  | WR20-P56  | 56          | 1100                | 1175              |                 |
| WR20-N58  | WR20-P58  | 58          | 1140                | 1215              |                 |
| WR20-N60  | WR20-P60  | 60          | 1180                | 1255              |                 |
| WR20-N62  | WR20-P62  | 62          | 1220                | 1295              |                 |
| WR20-N64  | WR20-P64  | 64          | 1260                | 1335              |                 |
| WR20-N66  | WR20-P66  | 66          | 1300                | 1375              |                 |
| WR20-N68  | WR20-P68  | 68          | 1340                | 1415              |                 |
| WR20-N70  | WR20-P70  | 70          | 1380                | 1455              |                 |
| WR20-N72  | WR20-P72  | 72          | 1420                | 1495              |                 |
| WR20-N74  | WR20-P74  | 74          | 1460                | 1535              |                 |
| WR20-N76  | WR20-P76  | 76          | 1500                | 1575              |                 |
| WR20-N78  | WR20-P78  | 78          | 1540                | 1615              |                 |
| WR20-N80  | WR20-P80  | 80          | 1580                | 1655              |                 |
| WR20-N82  | WR20-P82  | 82          | 1620                | 1695              |                 |
| WR20-N84  | WR20-P84  | 84          | 1660                | 1735              |                 |
| WR20-N86  | WR20-P86  | 86          | 1700                | 1775              |                 |
| WR20-N88  | WR20-P88  | 88          | 1740                | 1815              |                 |
| WR20-N90  | WR20-P90  | 90          | 1780                | 1855              |                 |
| WR20-N92  | WR20-P92  | 92          | 1820                | 1895              |                 |
| WR20-N94  | WR20-P94  | 94          | 1860                | 1935              |                 |
| WR20-N96  | WR20-P96  | 96          | 1900                | 1975              |                 |
| WR20-N98  | WR20-P98  | 98          | 1940                | 2015              |                 |
| WR20-N100 | WR20-P100 | 100         | 1980                | 2055              |                 |
| WR20-N102 | WR20-P102 | 102         | 2020                | 2095              |                 |
| WR20-N104 | WR20-P104 | 104         | 2060                | 2135              |                 |
| WR20-N106 | WR20-P106 | 106         | 2100                | 2175              |                 |
| WR20-N108 | WR20-P108 | 108         | 2140                | 2215              |                 |
| WR20-N110 | WR20-P110 | 110         | 2180                | 2255              |                 |
| WR20-N112 | WR20-P112 | 112         | 2220                | 2295              |                 |
| WR20-N114 | WR20-P114 | 114         | 2260                | 2335              |                 |
| WR20-N116 | WR20-P116 | 116         | 2300                | 2375              |                 |
| WR20-N118 | WR20-P118 | 118         | 2340                | 2415              |                 |
| WR20-N120 | WR20-P120 | 120         | 2380                | 2455              |                 |
| WR20-N122 | WR20-P122 | 122         | 2420                | 2495              |                 |
| WR20-N124 | WR20-P124 | 124         | 2460                | 2535              |                 |
| WR20-N126 | WR20-P126 | 126         | 2500                | 2575              |                 |
| WR20-N128 | WR20-P128 | 128         | 2540                | 2615              |                 |
| WR20-N130 | WR20-P130 | 130         | 2580                | 2655              |                 |
| WR20-N132 | WR20-P132 | 132         | 2620                | 2695              |                 |
| WR20-N134 | WR20-P134 | 134         | 2660                | 2735              |                 |
| WR20-N136 | WR20-P136 | 136         | 2700                | 2775              |                 |
| WR20-N138 | WR20-P138 | 138         | 2740                | 2815              |                 |
| WR20-N140 | WR20-P140 | 140         | 2780                | 2855              |                 |
| WR20-N142 | WR20-P142 | 142         | 2820                | 2895              |                 |
| WR20-N144 | WR20-P144 | 144         | 2860                | 2935              |                 |

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Code Reader

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Vision Sensor

Vision System

Fiberoptic Sensor

Photoelectric Sensor

RGB Colour Sensor

Proximity Sensor

Ultrasonic Sensor

Safety Curtain

Ionizer

WR Series Waterproof Type Safety Curtain

| 40 mm pitch |          | No. of axes | Detection area | Total length | Pitch axes |
|-------------|----------|-------------|----------------|--------------|------------|
| Model       |          |             |                |              |            |
| NPN         | PNP      |             |                |              |            |
| WR40-N4     | WR40-P4  | 4           | 120            | 215          | 40 mm      |
| WR40-N6     | WR40-P6  | 6           | 200            | 295          |            |
| WR40-N8     | WR40-P8  | 8           | 280            | 375          |            |
| WR40-N10    | WR40-P10 | 10          | 360            | 455          |            |
| WR40-N12    | WR40-P12 | 12          | 440            | 535          |            |
| WR40-N14    | WR40-P14 | 14          | 520            | 615          |            |
| WR40-N16    | WR40-P16 | 16          | 600            | 695          |            |
| WR40-N18    | WR40-P18 | 18          | 680            | 775          |            |
| WR40-N20    | WR40-P20 | 20          | 760            | 855          |            |
| WR40-N22    | WR40-P22 | 22          | 840            | 935          |            |
| WR40-N24    | WR40-P24 | 24          | 920            | 1015         |            |
| WR40-N26    | WR40-P26 | 26          | 1000           | 1095         |            |
| WR40-N28    | WR40-P28 | 28          | 1080           | 1175         |            |
| WR40-N30    | WR40-P30 | 30          | 1160           | 1255         |            |
| WR40-N32    | WR40-P32 | 32          | 1240           | 1335         |            |
| WR40-N34    | WR40-P34 | 34          | 1320           | 1415         |            |
| WR40-N36    | WR40-P36 | 36          | 1400           | 1495         |            |
| WR40-N38    | WR40-P38 | 38          | 1480           | 1575         |            |
| WR40-N40    | WR40-P40 | 40          | 1560           | 1655         |            |
| WR40-N42    | WR40-P42 | 42          | 1640           | 1735         |            |
| WR40-N44    | WR40-P44 | 44          | 1720           | 1815         |            |
| WR40-N46    | WR40-P46 | 46          | 1800           | 1895         |            |
| WR40-N48    | WR40-P48 | 48          | 1880           | 1975         |            |
| WR40-N50    | WR40-P50 | 50          | 1960           | 2055         |            |
| WR40-N52    | WR40-P52 | 52          | 2040           | 2135         |            |
| WR40-N54    | WR40-P54 | 54          | 2120           | 2215         |            |
| WR40-N56    | WR40-P56 | 56          | 2200           | 2295         |            |
| WR40-N58    | WR40-P58 | 58          | 2280           | 2375         |            |
| WR40-N60    | WR40-P60 | 60          | 2360           | 2455         |            |
| WR40-N62    | WR40-P62 | 62          | 2440           | 2535         |            |
| WR40-N64    | WR40-P64 | 64          | 2520           | 2615         |            |
| WR40-N66    | WR40-P66 | 66          | 2600           | 2695         |            |
| WR40-N68    | WR40-P68 | 68          | 2680           | 2775         |            |
| WR40-N70    | WR40-P70 | 70          | 2760           | 2855         |            |
| WR40-N72    | WR40-P72 | 72          | 2840           | 2935         |            |

Specifications

| Model                  |                                       | WR10                                                                                | WR20  | WR40  |
|------------------------|---------------------------------------|-------------------------------------------------------------------------------------|-------|-------|
| Operating              | Pitch dimension                       | 10 mm                                                                               | 20 mm | 40 mm |
|                        | Detection capability                  | ø15, 25, 45 mm                                                                      |       |       |
|                        | Scanning range                        | 0.1 to 15 m                                                                         |       |       |
|                        | Light source                          | Infrared LED                                                                        |       |       |
|                        | Response time                         | < 10 ms                                                                             |       |       |
| OSSD operation         |                                       | Turns on when no interruptions are present in the detection zone                    |       |       |
| Electrical data        | Output                                | 2 transistor outputs                                                                |       |       |
|                        | Switching current                     | 200 mA                                                                              |       |       |
|                        | Leakage current                       | Max. 1 mA                                                                           |       |       |
|                        | Residual voltage                      | Max. 1 V                                                                            |       |       |
|                        | Reverse polarity protection           | Yes                                                                                 |       |       |
|                        | Short circuit and overload protection | Yes                                                                                 |       |       |
| Environment resistance | Enclosure rating                      | IP68                                                                                |       |       |
|                        | Ambient temperature                   | -10 to +55°C (No freezing)                                                          |       |       |
|                        | Storage ambient temperature           | -25 to +60°C (No freezing)                                                          |       |       |
|                        | Relative humidity                     | 20 to 85% RH (No condensation)                                                      |       |       |
|                        | Storage humidity                      | 20 to 85% RH (No condensation)                                                      |       |       |
|                        | Ambient light                         | Incandescent lamp: 10,000 lux or less                                               |       |       |
|                        | Vibration                             | 10 to 55 Hz, 0.75 mm compound amplitude, 2 hours sweep in the X, Y and Z directions |       |       |
| Shock                  |                                       | 300 m/s <sup>2</sup> ,16 ms pulse in X, Y, and Z directions, 3 times each axis      |       |       |
| Power consumption      |                                       | 5 W or less                                                                         |       |       |
| Power supply           |                                       | 12 to 24 VDC including Ripple ±10% (P-P)                                            |       |       |

Safety Curtain

Overview

Code Reader

Handheld Reader

Vision Sensor

Vision System

Fiberoptic Sensor

Photoelectric Sensor

RGB Colour Sensor

Proximity Sensor

Ultrasonic Sensor

Safety Curtain

Ionizer