

# SGR 17-215-030-D1-U-OSE0-0.3-T6-5

## Self-Contained Light Curtains

Light Curtains

### Compatible Transmitter:

SGT 17-215-030-D1-U-00-0.3-T4-15



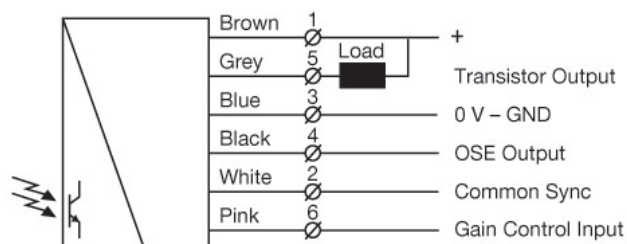
| Product Data       |                                                                 |
|--------------------|-----------------------------------------------------------------|
| Function           | Receiver                                                        |
| Operation Mode     | Thru Beam                                                       |
| Supply Voltage     | 10 - 30 V dc                                                    |
| Connection         | 0.3 m cable with 6 pin, M8 plug + 5 m ext. cable                |
| Sensing Range      | 12 m                                                            |
| Number of Channels | 30                                                              |
| Output             | 900 Hz 5 V square signal, OSE and NPN                           |
| Output Status      | N.C.                                                            |
| Response           | 40 ms                                                           |
| Length             | 2150 mm                                                         |
| Active Height      | 1980 mm                                                         |
| Housing            | 12 mm x 14 mm                                                   |
| Features           | Dynamic Sequential Blanking Function. Static Blanking Function. |

| Technical Data             |                            |
|----------------------------|----------------------------|
| Supply Voltage             | 10 - 30 V dc               |
| Reverse Polarity Protected | Yes                        |
| Short Circuit Protected    | Yes                        |
| Current Consumption        | 40 mA                      |
| Output Rating              | 100 mA                     |
| Power On Indicator         | Green LED                  |
| Output Indicator           | Yellow LED                 |
| System Status Indicator    | Red LED                    |
| Light Source               | -                          |
| Profile Dimensions (w x d) | U Profile, 12 mm x 14 mm   |
| Housing Material, Profile  | Aluminium (black anodised) |
| Cable                      | 6 x 0,13 mm²               |
| Cable Sleeve               | PVC Ø 4,5 mm               |

|                                          |                                                  |
|------------------------------------------|--------------------------------------------------|
| Max. Sequential Blanking Speed           | 1,6 m/s                                          |
| Channel spacing (Ch 1 excluded)          | 45 mm: up to 1080 mm 180 mm: from 1080 mm to top |
| Bottom spacing to Ch 1                   | 35 mm                                            |
| Spacing between Ch 1 and Ch 2            | 10 mm                                            |
| Housing Material, Front cover (optional) | Polycarbonate                                    |

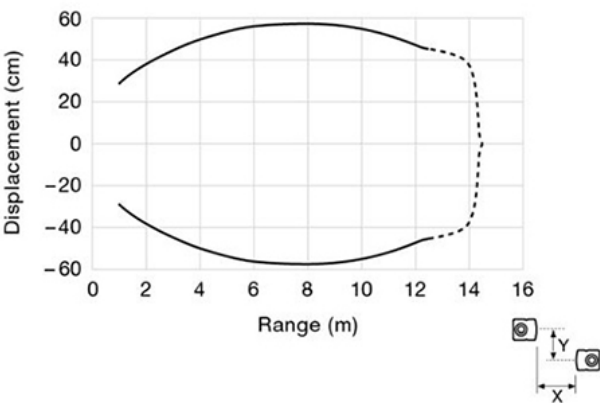
**Environmental Data**

|                       |                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------|
| Operation Temperature | – 20 to +55 °C                                                                                               |
| Storage Temperature   | – 40 to +80 °C                                                                                               |
| Sealing Class         | IP 67                                                                                                        |
| Light Immunity 5°     | > 100 000 lux                                                                                                |
| EU directives         | 2011/65/EU (RoHS) - 2014/30/EU (EMC)                                                                         |
| Standards             | IEC 60068-2-6:2007 (vibration). EN 61000-6-2:2019 (EMC emission). EN 61000-6-3:2007 +A1:2011 (EMC immunity). |

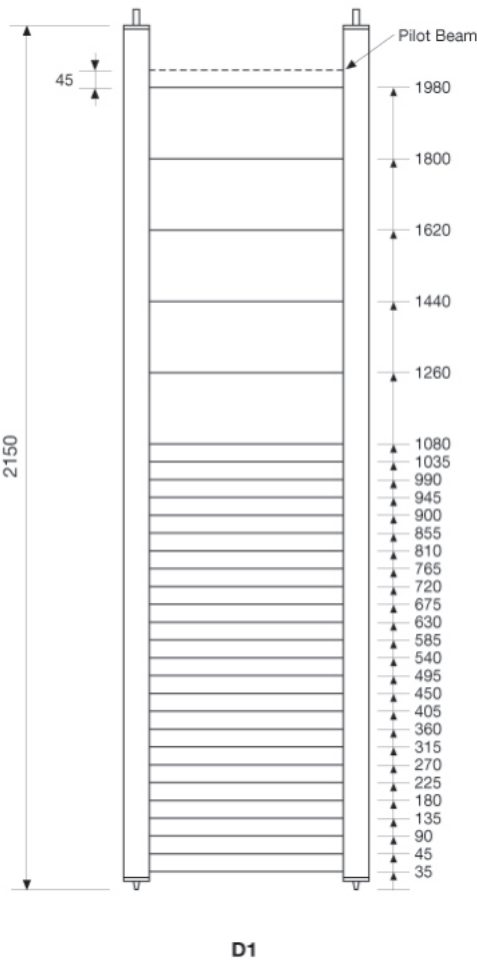
**Approvals****Wiring Diagram**

**SGR 17**  
OSE and NPN output

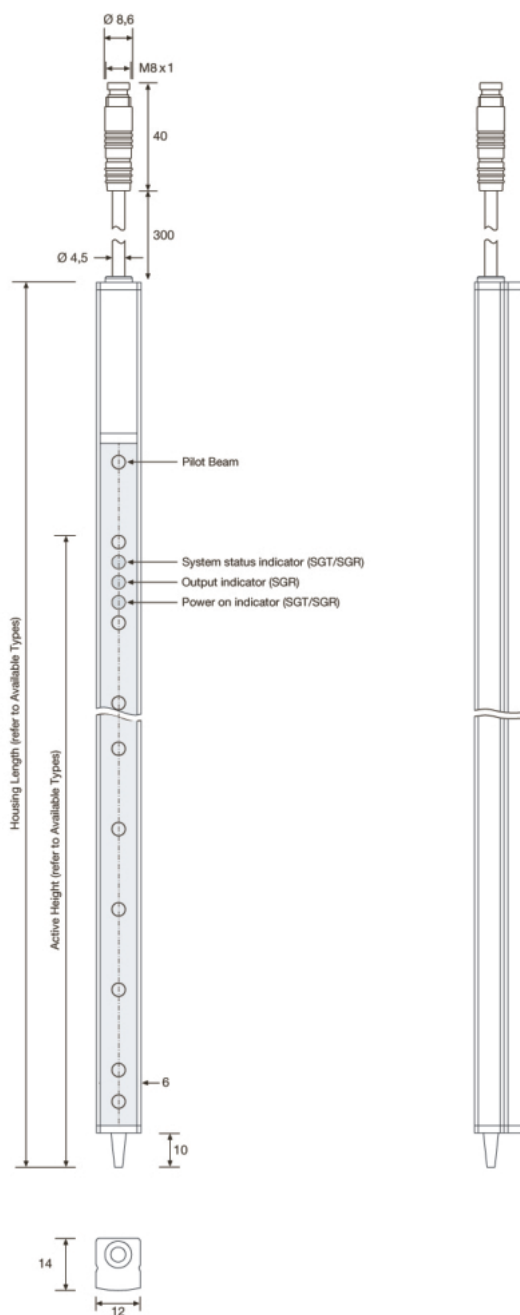
Parallel Displacement



Beam Patterns



## Dimensions

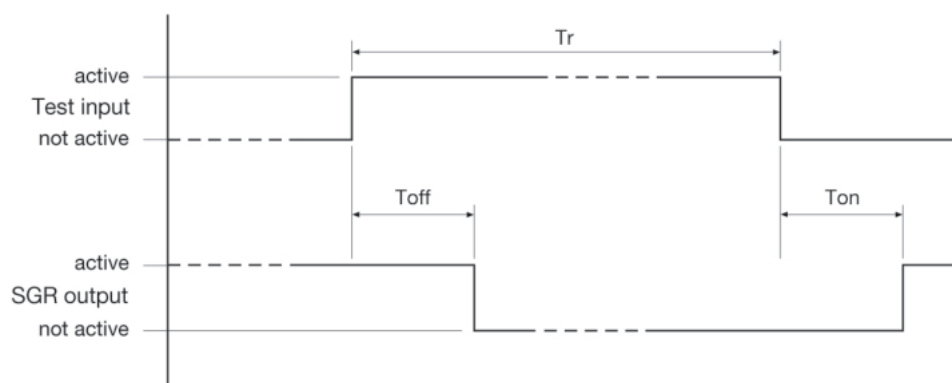


## Timing Diagram

Ton (max/min)  
150 ms / 20 ms

Toff (max/min)  
60 ms / 1 ms

Tr (max/min)  
500 ms / 100 ms

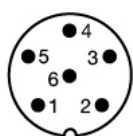


SGT/R test input response time graph

## Connections

## 6 pin, M8

Sensor Plug  
(Male)



Cable Plug  
(Female)

