

SPR 2945T 5

Thru Beam

Standard, Photoelectric Sensors

Compatible Transmitter:

SPT 2945 5



Product Data	
Function:	Receiver
Supply Voltage:	12 - 240 V ac/dc
Light Source:	-
Housing Material:	Plastic
Housing:	17 x 50 x 50
Control Feature:	Sensitivity pot. and light/dark switch
Connection:	5 m cable
Sensing Range:	45 m
Timer:	On/Off Delay
Output:	Relay
Output Status:	N.C./N.O.
Operation Mode:	Thru Beam

Technical Data	
Supply Voltage:	12-240 V dc / 20-240 V ac
Voltage Ripple:	+/- 15 %
Reverse Polarity Protected:	-
Short Circuit Protected:	-
Current Consumption:	< 70 mA
Max. Operation Frequency:	25 Hz
Power On Indicator:	Green LED
Output Indicator:	Yellow LED
Hysteresis:	20 – 30 %
Light Source:	-
Opening Angle:	+/- 2,5°
Emission Angle:	-
Cable:	5 x 0,20 mm ²
Output, Relay:	1 open / 1 close, 240 V ac / 2 A

Response Time ton / toff:	20 ms / 20 ms
Housing Material Sensor Housing:	Polycarbonate / ABS
Housing Material Lens Cover:	Polycarbonate
Cable Sleeve:	PVC Ø 4,9 mm
Test Input:	-
Signal Status Indicator:	Red LED
Delay Time ton / toff:	0 – 10 sec, adjustable

Environmental Data

Vibration:	10 – 55 Hz, 0.5 mm
Shock:	30 g
Operation Temperature:	-20 to +55 °C
Storage Temperature:	-40 to +80 °C
Sealing Class:	IP 67
Light Immunity 5°:	25 000 lux
Light Immunity 15°:	-

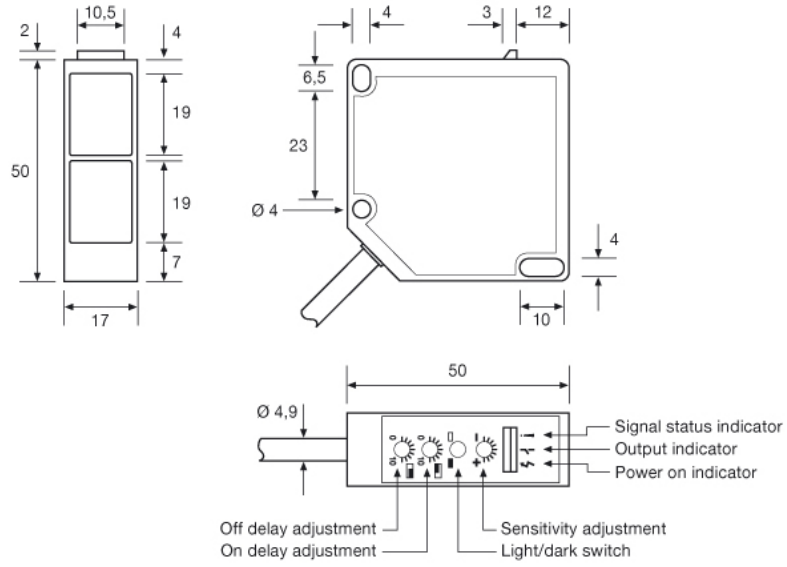
Approvals



Wiring Diagram

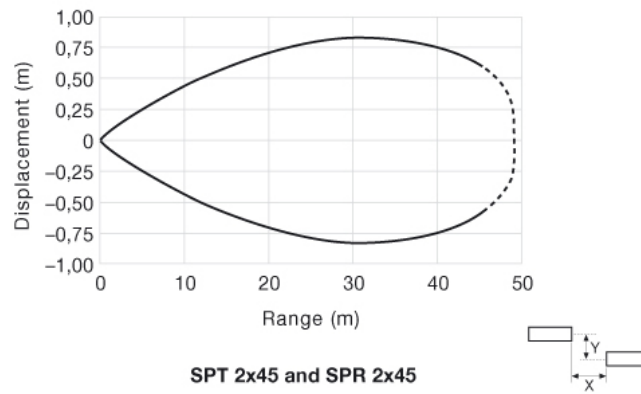


Dimensions

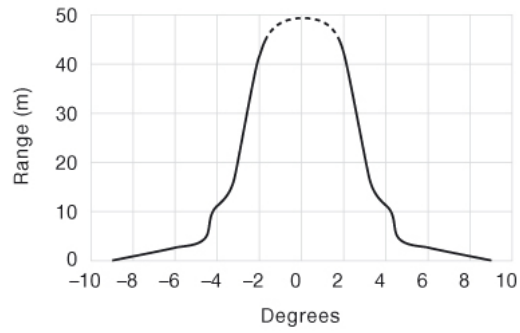


Sensing Characteristics

Parallel Displacement



Angular Displacement



SPR

