SSR 02-102-048-20-H-AC2-DP2-0.5-J12

Measuring Light Curtains

Measuring Light Curtains

Compatible Transmitter:

SST 02-102-048-20-H-1D1-0.5-J5
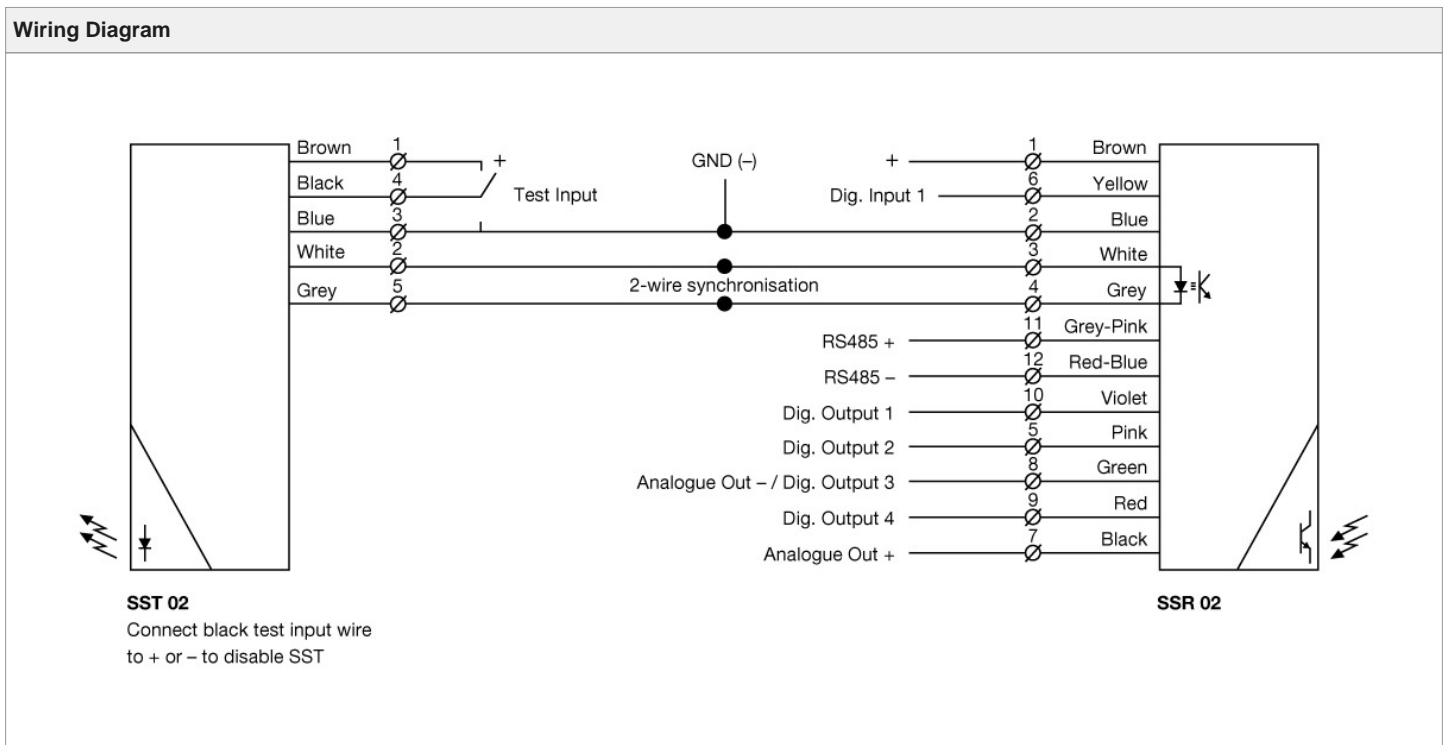
Product Data	
Channel Spacing	20 mm
Function	Receiver
Operation Mode	Thru Beam
Supply Voltage	18 - 30 V dc
Connection	0.5 m cable with 12 pin, M12 plug
Sensing Range	10 m
Output	2 x PNP + Analog. (RS-485)
Output Status	N.C. / N.O.
Length	1020 mm
Active Height	945 mm
Housing	33 x 36 mm
Features	RS-485 communication port

Technical Data	
Supply Voltage	18 - 30 V dc
Reverse Polarity Protected	Yes
Short Circuit Protected	Yes
Current Consumption	75 mA
Output Type	2 x Digital Output (Transistor) PNP Analogue Out. 4-20 mA / 0-10 V (2-wires)
Output Rating	Digital Output: 100 mA Analogue Output: Current <600 Ohm - Voltage >1kOhm
Number of Channels	48
Number of Cross Scanning Beams	142
Number of Parallel Beams	48
Distance, Beams Pinch Point	10 mm
Response Time	Beams: Parallel 7,8 ms / Cross 19,0 ms
Power On Indicator	Green LED
Output Indicator	Yellow LED
System Status Indicator	Red LED

Profile Dimensions (w x d)	33 x 36 mm
Housing Material, Front Lens	Polycarbonate
Housing Material, Profile	Aluminium (black anodised)
Cable	12 x 0,2 mm²
Cable Sleeve	PVC Ø 5,9 mm

Environmental Data	
Vibration	10 - 55 Hz, 0,5 mm
Shock	30 g
Operation Temperature	-30 to +60 °C
Storage Temperature	-40 to +80 °C
Sealing Class	IP 67
Light Immunity 5˚	> 100 000 lux

Approvals

CE UKCA

Wiring Diagram

SST 02
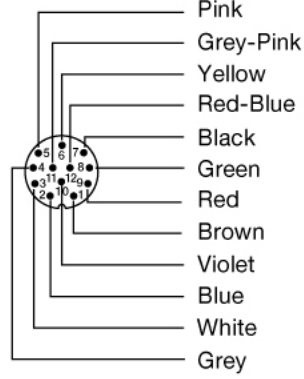Connect black test input wire to + or – to disable SST

SSR 02

Connections
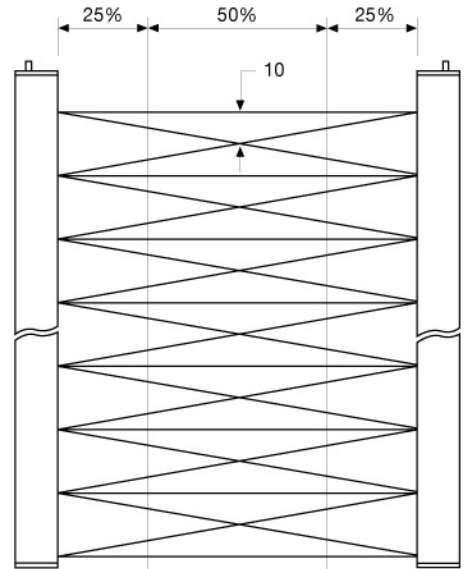
12 pin, M12

Sensor Plug
(Male)

Cable Plug
(Female)

- Pink
- Grey-Pink
- Yellow
- Red-Blue
- Black
- Green
- Red
- Brown
- Violet
- Blue
- White
- Grey

Parallel Displacement

Beam Patterns

20

Active Length (refer to Available Types)
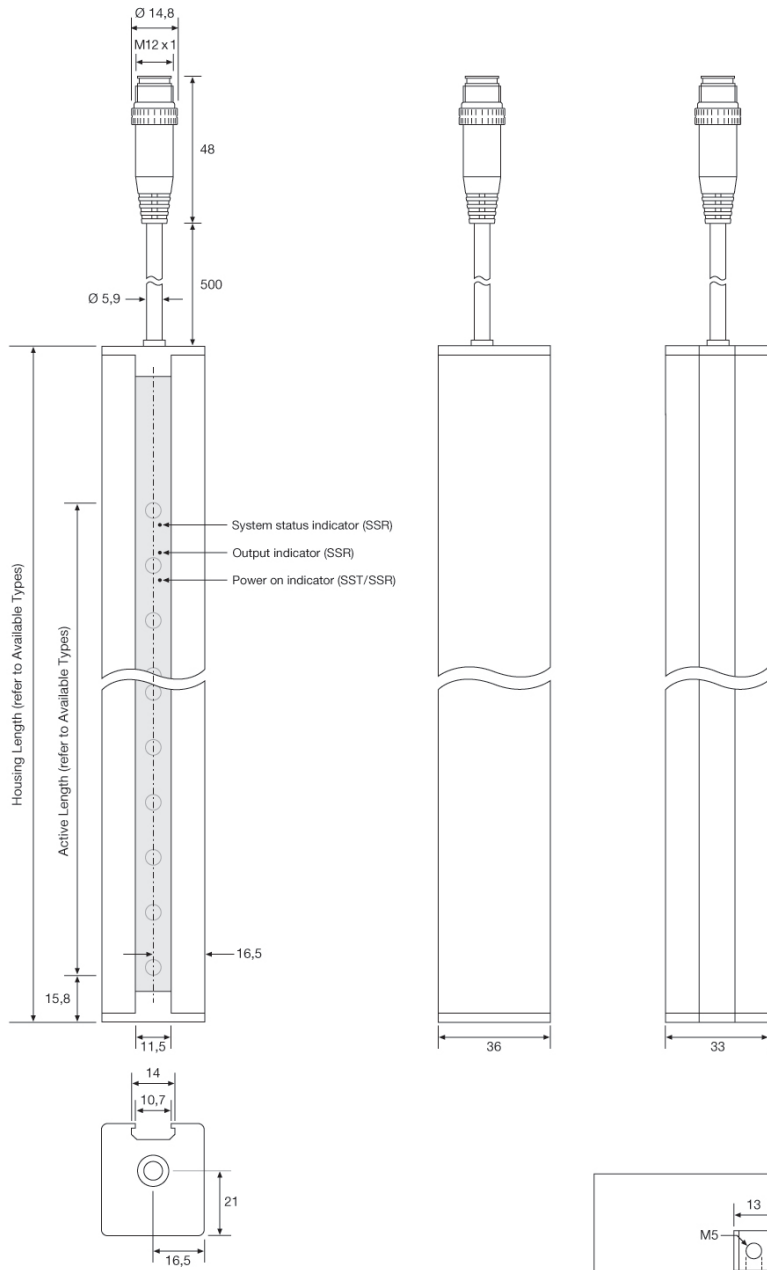
Parallel Beams

25%   50%   25%

10
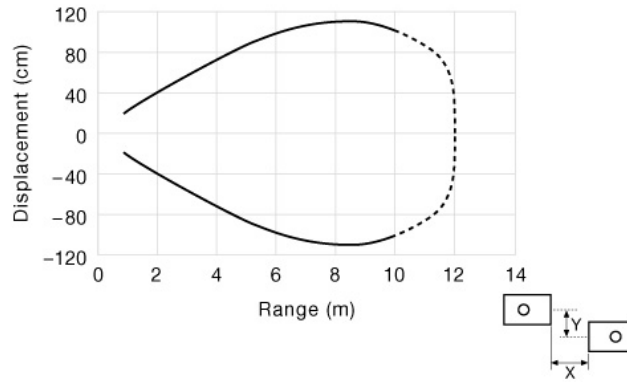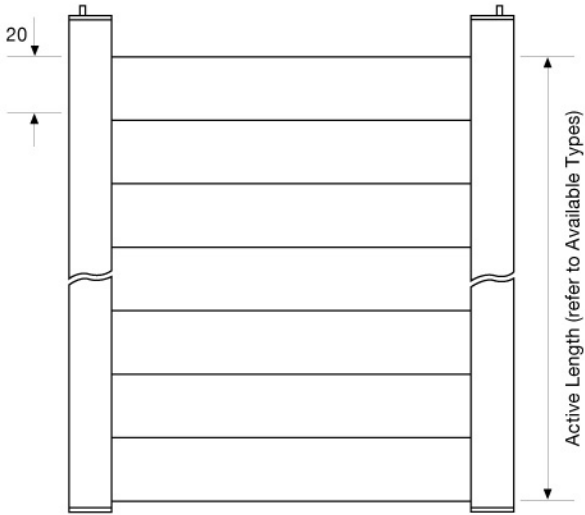
Cross Beams

20 mm channel spacing

Dimensions

System status indicator (SSR)
Output indicator (SSR)
Power on indicator (SST/SSR)

Ø 14,8
M12 x 1
48
Ø 5,9
500
16,5
15,8
11,5
14
10,7
21
16,5
36
33

13
M5
13
4,8

T-Slot Mounting Fixture
Stainless Steel AISI 304
(2 units included)

Housing Length (refer to Available Types)
Active Length (refer to Available Types)