DATALOGIC - DS2 - AREA LIGHT CURTAIN SENSORS WITH BOTH DIGITAL AND ANALOGUE OUTPUT

DS2-05-07-120-JV
957501020 Light Grid Array H = 1200mm
RS485/Analogue/1 PNP

- Measurement heights from 150 to 2500 mm
- Resolution down to 12 mm
- Distance up to 10 m between the transmitter / receiver
- Programmed via DIP-switch or PC

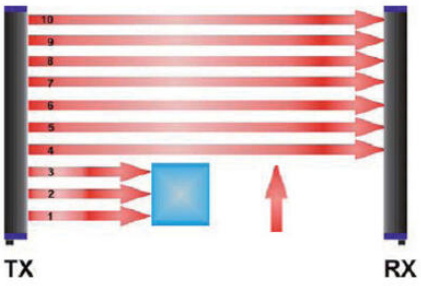
PRODUCT DESCRIPTION

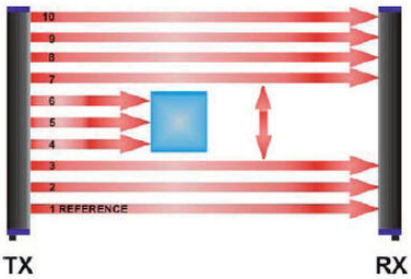
The DS2 Curtains are suitable for automatic materials handling. The curtains have both a PNP output and an analogue 0-10V output. Models are available with RS485 port or Ethernet. Settings can be made using Dipswitches on the curtains or via software on a PC.

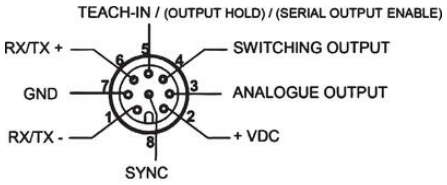
SPECIFICATIONS

Absolute measurement accuracy	6 mm
Approvals	CE, cULus
Detection Height	1176 mm
Dimension (mm)	35 x 40 x 1285
Distance Max	5000 mm
Distance Min	300 mm
Electrical connection	M12 8 pole connector, M12 4 pole connector
IP Class	IP65
LED indicator	Yes
Lens material	PMMA
Light type	IR LED
Material of body	Aluminium
Output	0-10V, PNP
Output current max	0.1 A

Photocell technology	Curtain photocell
Power consumption max	0.25 A
Reaction time	5 ms
Relative measurement accuracy	± 6 mm
Supply voltage	24 V DC
Temperature range bearing, from	-25 °C
Temperature range bearing, to	70 °C
Temperature range from	0 °C
Temperature range to	50 °C

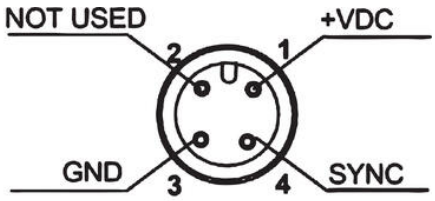






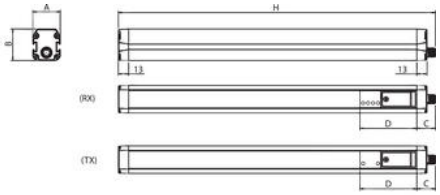
Main connector: M12 8-pole connector

1	=	white	=	RX/TX -
2	=	brown	=	+VDC
3	=	green	=	ANALOGUE OUT
4	=	yellow	=	SWITCHING OUTPUT
5	=	grey	=	TEACH-IN / (OUT HOLD) / (SERIAL OUT ENABLE)
6	=	pink	=	RX/TX +
7	=	blue	=	GND
8	=	red	=	SYNC



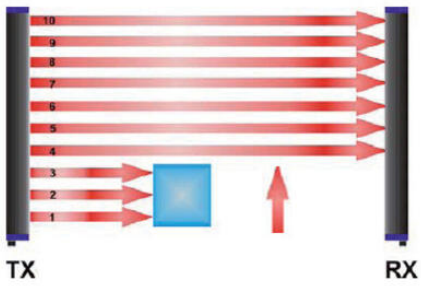
Main connector: M12 4-pole connector

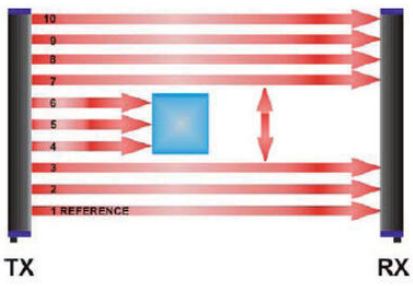
1	=	brown	=	+VDC
2	=	white	=	NOT USED
3	=	blue	=	GND
4	=	black	=	SYNC

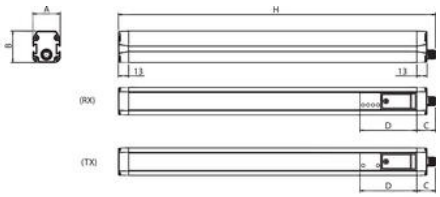


MODEl	A x B (mm)	h (mm)	C (mm)	D (mm)
DS2-05-07-015-XX	35 x 40	256	23.8	72.5
DS2-05-07-030-XX	35 x 40	403	23.8	72.5
DS2-05-07-045-XX	35 x 40	550	23.8	72.5
DS2-05-07-060-XX	35 x 40	697	23.8	72.5
DS2-05-07-075-XX	35 x 40	844	23.8	72.5
DS2-05-07-090-XX	35 x 40	991	23.8	72.5
DS2-05-07-105-XX	35 x 40	1138	23.8	72.5
DS2-05-07-120-XX	35 x 40	1285	23.8	72.5
DS2-05-07-135-XX	35 x 40	1432	23.8	72.5
DS2-05-07-150-XX	35 x 40	1579	23.8	72.5
DS2-05-07-165-XX	35 x 40	1726	23.8	72.5
DS2-05-25-045-XX	35 x 40	562	23.8	72.5
DS2-05-25-060-XX	35 x 40	713	23.8	72.5
DS2-05-25-075-XX	35 x 40	864	23.8	72.5
DS2-05-25-090-XX	35 x 40	1015	23.8	72.5

XX: JV for serial models or JE for Eth ERNEt models







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