

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

DS2-05-07-015-JV  
957501040 Light Grid Array H = 150mm  
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



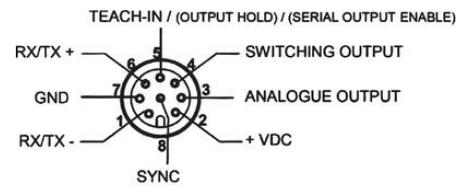
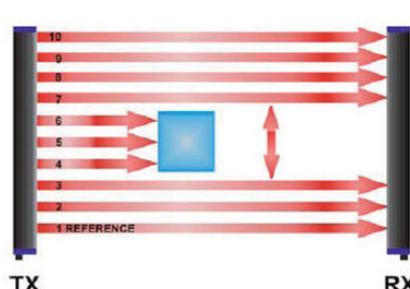
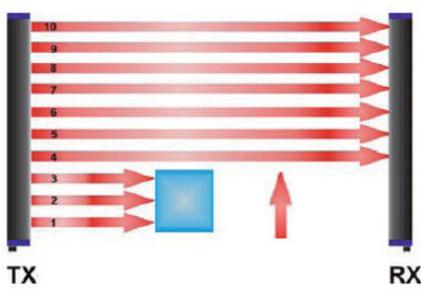
### PRODUCT DESCRIPTION

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.

### TECHNICAL DATA

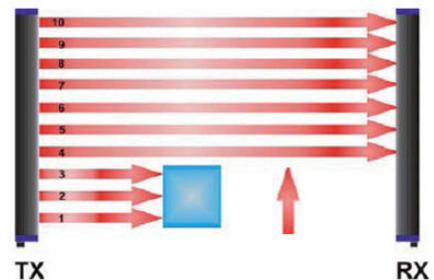
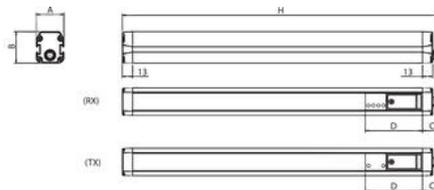
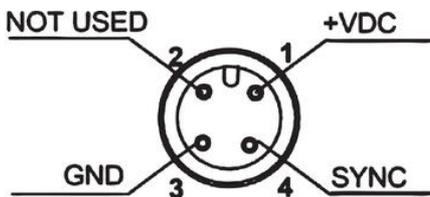
<b>Absolute measurement accuracy</b>	6 mm
<b>Approvals</b>	CE, cULus
<b>Detection height</b>	147 mm
<b>Dimension (mm)</b>	35 mm x 40 mm x 256 mm
<b>Distance max</b>	5000 mm
<b>Distance min</b>	300 mm
<b>Electrical connection</b>	M12 8-pin connector, M12 4-pin connector
<b>IP class</b>	IP65
<b>LED indicator</b>	Yes
<b>Lens material</b>	PMMA
<b>Light type</b>	IR LED
<b>Material of body</b>	Aluminium
<b>Output</b>	0-10V, PNP
<b>Output current max</b>	0.1 A

Photocell technology	Curtain photocell
Power consumption max	0.25 A
Reaction time	5.5 ms
Relative measurement accuracy	±6 mm
Storage temperature max	70 °C
Storage temperature min	-25 °C
Supply voltage	24 V DC
Temperature operational max	50 °C
Temperature operational min	0 °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

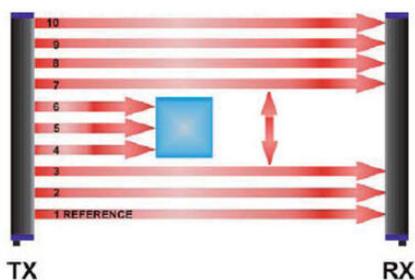


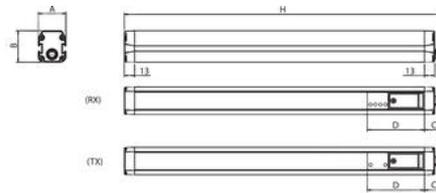
Main connector: M12 4-pole connector

- 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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