

## DATASENSING - AS1 - AREA LIGHT CURTAIN SENSORS

AS1-LD-HR-010-J  
958101000 Array Sensor Long Distance High Res  
100mm

- Crossed light beams
- High resolution - 0.2mm thick x 75 mm wide
- Distance up to 3m
- Versions with potentiometer setting



### PRODUCT DESCRIPTION

The photoelectric light grids of the AS1 series are crossed-beam area sensors able to detect all objects, with even 0.2mm thickness, inside a 100mm height, over operating distances reaching 3m between emitter and receiver. The AS1 area sensors represent the ideal solution for the detection of very small objects, even when passing in different positions inside the controlled height and width. Versions with trimmer adjustment and optic synchronism between emitter and receiver unit are available.

#### Features & Benefits:

- Crossed beams
- Trimmer version available
- Optical synchronism: to speed up the connection and alignment procedures
- 3m operating range

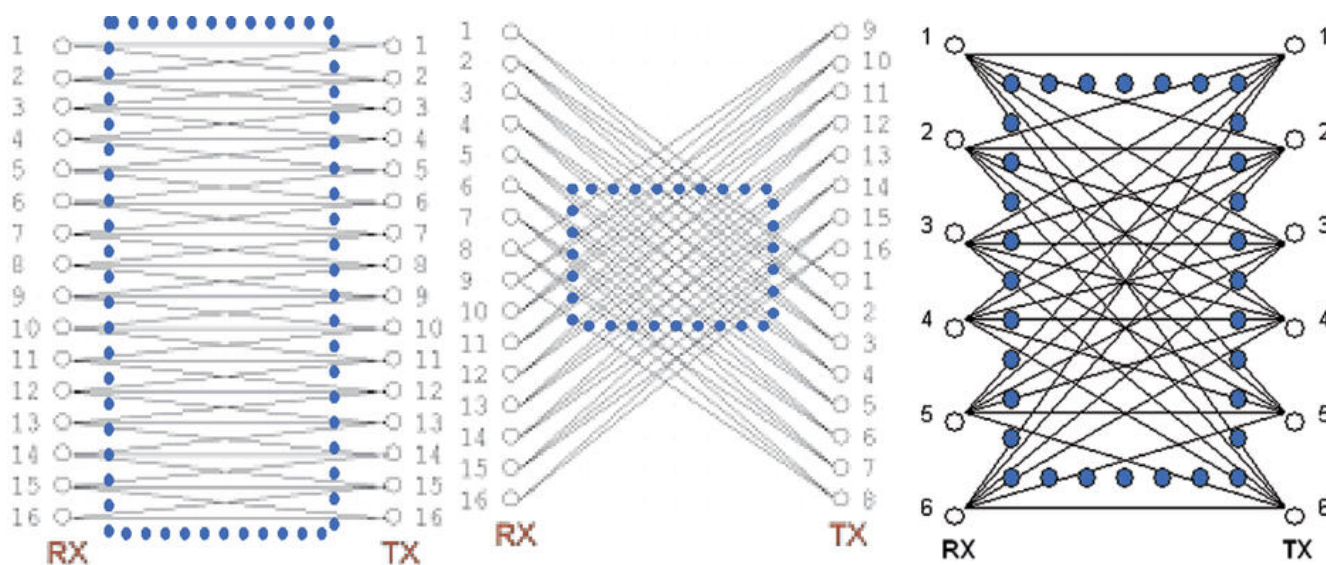
#### Applications:

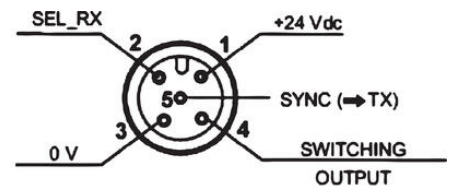
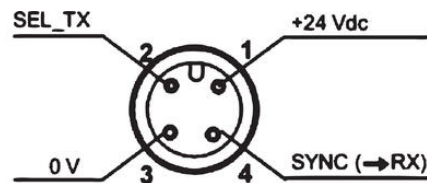
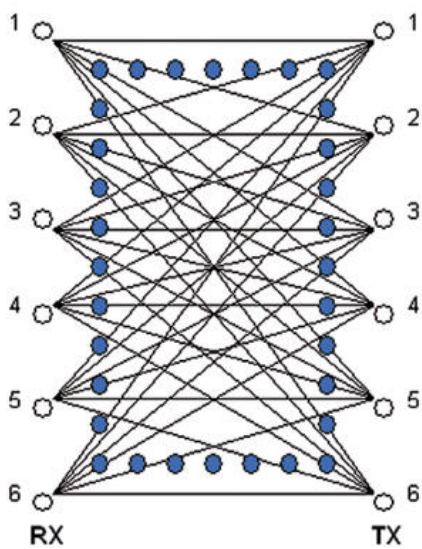
- Automatic machines
- Packaging lines
- Transportation lines
- Wood working machines
- Glass working machines
- Ceramics working machines
- Automatic warehouses

### TECHNICAL DATA

Approvals	CE, cULus
Detection height	100 mm
Dimension (mm)	22 x 43 x 150
Distance max	2100 mm
Distance min	300 mm

<b>Electrical connection</b>	M12 5-pole 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>	PNP
<b>Output current max</b>	0.1 A
<b>Photocell technology</b>	Curtain photocell
<b>Power consumption max</b>	0.15 A
<b>Reaction time</b>	2.75 ms
<b>Storage temperature max</b>	70 °C
<b>Storage temperature min</b>	-25 °C
<b>Supply voltage</b>	24 V DC
<b>Temperature operational max</b>	50 °C
<b>Temperature operational min</b>	0 °C
<b>Weight</b>	300 g





1	=	brown	=	+24Vdc
2	=	white	=	SEL_RX (only AS1-HR)
3	=	blue	=	0 V
4	=	black	=	SYNC

1	=	brown	=	+24Vdc
2	=	white	=	SEL_RX (only AS1-HR)
3	=	blue	=	0 V
4	=	black	=	SWITCHING OUTPUT
5	=	grey	=	SYNC

