

TECHNICAL DATA SHEET



AWR-S02-PRO

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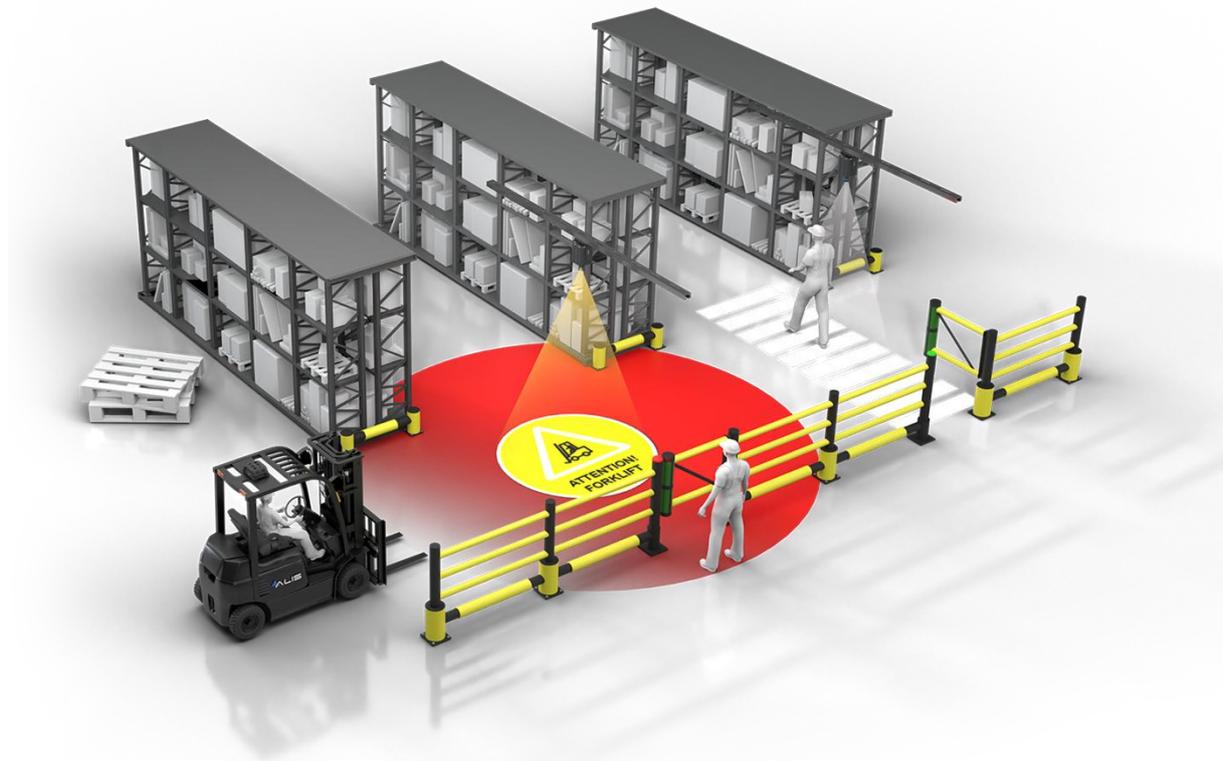
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DESCRIPTION

The AWR-S02-PRO control unit is used for intelligent control and projection control of safety LED projectors or other optical or acoustic elements to increase operational safety. In conjunction with various types of sensors or signal outputs from external devices, the AWR-S02-PRO control unit can trigger a predefined action, for example based on the movement of people or material handling equipment in the monitored area or based on the status of an external device.

The most commonly used optical element is security LED projectors. The variable user setting of the projection mode is possible via freely available software. Adjustment is done via the integrated USB-C port. There are three modes to choose from: continuous light, flashing or pulsing.

The AWR-S02-PRO unit offers connectivity for up to eight sensor outputs and the control of up to four projectors. Projection is channel-controlled, with the AWR-S02-PRO unit having two channels to control two projectors each. This offers, for example, the possibility of projecting a long pedestrian crossing with two projectors alternately with two warning symbols when movements of industrial trucks are detected.



SCOPE OF DELIVERY

- Control Unit AWR-S02-PRO
- 24 V DC power supply
- Selected number and type of sensors or signal inputs
- Selected number and type of projectors or other security features

SPECIFICATIONS

Number of inputs	8
Number of outputs	2
Dimensions [mm]	210 x 150 x 55
Weight [g]	580
Supply voltage [V]	DC 24
Nominal power [W]	26,4
Operating temperature [°C]	-10 to +50
Humidity (non-condensing) [RH %]	0 - 90
IP protection class	65
RoHS Compliance	Yes

OPTIONAL SENSORS AND SIGNAL INPUTS

Name	Function	Input consumption
ASA-07	Rocker switch	1
ASA-10	Magnetic door contact	1
ASA-24	Rocker button	1
ASS-01	Microwave sensor for motion detection:	
	• Persons	1
	• Vehicles	1
	• People and vehicles	2
ASS-05	PIR sensor for detecting human movements	1
ASS-10	Active IR sensor to detect movement or the presence of people or objects	1
ASS-12	Optosensor transmitter + reflector, range 0.1–10 m	1
ASS-13	Reflex optosensor, range 0–2 m	1
ASS-14	Optosensor transmitter + receiver, range 0–20 m	1
ASS-15	Optosensor transmitter + receiver, range 0–200 m	1
24 V DC	External Signal Input	1
NC	Externer Signaleingang (Normally Closed)	1
NO	Externer Signaleingang (Normally Open)	1

OPTIONAL SAFETY FEATURES

Name	Function	Output consumption
A100_1	Audible siren 110 dB	1
ASA-01A	Magnetic lock 110 kg	1
ASA-01B	Magnetic lock 280 kg	1
ASA-20-80mm	Beacon red/green	1
ASA-21	Single-chamber LED traffic light red/green	1
ASA-25	Rotating flashing light, clearly visible	1
ASA-26	Two-chamber LED traffic light red/green	1
ASA-28	Yellow flashing light	1
ASA-29	Red flashing light	1
ASA-30	Optoacoustic siren red, 100 dB, continuous tone	1
ALP-PC-25-E	25W Security LED Projector with Passive Cooling and 20° Optics	1
ALP-PC-25-S	25W Security LED Projector with Passive Cooling and Optional 13/20/25/45° Optics	1
ALP-AC-100-R	100W Security LED Projector with Active Cooling and Optional 13/20/25/45° Optics	1
ALP-AC-150-R	150W Active Cooling Security LED Projector with Optional 13/20/25/45° Optics	1
ALP-AC-300-R	300W Active Cooling Safety LED Projector with Optional 13/20/25/30° Optics	1
ALP-AC-347-R	300W Active Cooling Security LED Projector with 47° Optics	1
ALP-AC-400-R	400W Active Cooling Security LED Projector with Optional 13/20/25/30/47° Optics	1
ALP-AC-600-R	600W Active Cooling Security LED Projector with Optional 13/20/25/30/47° Optics	1
ALP-AC-L-70	70W Security LED Line Projector with Active Cooling and Optional 50/75/90° Optics	1
ALP-AC-L-90	90W Security LED Line Projector with Active Cooling and Optional 50/75/90° Optics	1
ALP-AC-L-110	110W Safety LED Line Projector with Active Cooling and Optional 50/75/90° Optics	1