

# TECHNICAL DATA SHEET



## **AWR-S01-PRO**

Technical data sheet  
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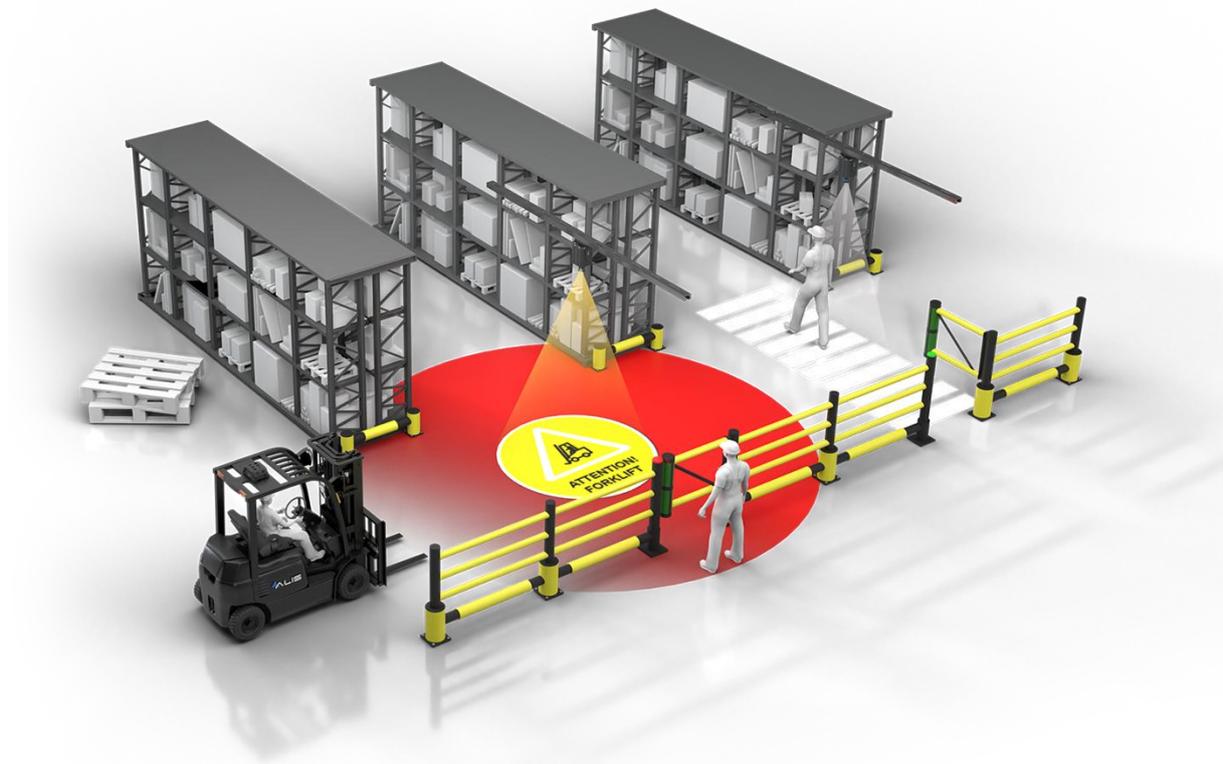
## INTRODUCTION

The AWR-S01-PRO control unit is used to intelligently activate and control the projection of safety LED projectors or other optical or acoustic elements used to enhance traffic safety.

In conjunction with various types of sensors or signal outputs from external devices, the AWR-S01-PRO control unit can trigger a predefined action based, for example, on the movement of people or handling equipment in the monitored area or on the status of an external device.

The most commonly applied optical element are safety LED projectors. This is also accommodated by the possibility of variable user adjustment of the projection mode by a freely available program.

Settings are made via the built-in USB-C connector. There are three modes to choose from: illumination, flashing or pulsing. The AWR-S01-PRO unit offers connection of up to four sensor outputs and control of up to two projectors. This offers, for example, the option of projecting one pedestrian crossing alternated with one warning symbol in case of detection of handling equipment movement.



## PACKAGING CONTENT

- control unit AWR-S01-PRO
- 24 V DC power adapter
- selected number and type of sensors or signal inputs
- Selected number and type of projectors or other safety features

## TECHNICAL SPECIFICATION

<b>Number of inputs</b>	4
<b>Number of outputs</b>	2
<b>Dimensions [mm]</b>	175 x 130 x 45
<b>Weight [g]</b>	405
<b>Supply voltage [V]</b>	DC 24
<b>Rated power [W]</b>	26,4
<b>Operating temperature [°C]</b>	-10 - +50
<b>Humidity without condensation [RH %]</b>	0 - 90
<b>Degree of IP rating</b>	65
<b>RoHS</b>	yes

## OPTIONAL SENSORS AND SIGNAL INPUTS

<b>Name</b>	<b>Function</b>	<b>Input consumption</b>
<b>ASA-07</b>	Cradle switch	1
<b>ASA-10</b>	Magnetic door contact	1
<b>ASA-24</b>	Cradle button	1
<b>ASS-01</b>	Microwave sensor for motion detection:	
	• persons	1
	• vehicles	1
	• persons and vehicles	2
<b>ASS-05</b>	PIR sensor for detecting the movement of people	1
<b>ASS-10</b>	Active IR sensor for detecting motion or the presence of people or objects	1
<b>ASS-12</b>	Optosensor transmitter + reflector, range 0.1-10 m	1
<b>ASS-13</b>	Optosensor diffuse, range 0-2 m	1
<b>ASS-14</b>	Optosensor transmitter + receiver, range 0-20 m	1
<b>ASS-15</b>	Optosensor transmitter + receiver, range 0-200 m	1
<b>24 V DC</b>	external signal input	1
<b>NC</b>	external signal input	1
<b>NO</b>	external signal input	1

## OPTIONAL SAFETY FEATURES

Name	Function	Input consumption
<b>A100_1</b>	Acoustic siren 110 dB	1
<b>ASA-01A</b>	Magnetic lock 110 kg	1
<b>ASA-01B</b>	Magnetic lock 280 kg	1
<b>ASA-20-80mm</b>	Beacon red/green	1
<b>ASA-21</b>	Single chamber LED traffic light red/green	1
<b>ASA-25</b>	Flash beacon rotating red, high visibility	1
<b>ASA-26</b>	Dual chamber LED traffic light red/green	1
<b>ASA-28</b>	Flash beacon yellow	1
<b>ASA-29</b>	Flash beacon red	1
<b>ASA-30</b>	Siren optoacoustic red, 100 dB, constant tone	1
<b>ALP-PC-25-E</b>	25W safety LED projector with passive cooling and 20° optics	1
<b>ALP-PC-25-S</b>	25W safety LED projector with passive cooling and optional 13/20/25/45° optics	1
<b>ALP-AC-100-R</b>	100W safety LED projector with active cooling and optional 13/20/25/45° optics	1
<b>ALP-AC-150-R</b>	150W safety LED projector with active cooling and optional 13/20/25/45° optics	1
<b>ALP-AC-300-R</b>	300W safety LED projector with active cooling and optional 13/20/25/30° optics	1
<b>ALP-AC-347-R</b>	300W safety LED projector with active cooling and 47° optics	1
<b>ALP-AC-400-R</b>	400W safety LED projector with active cooling and optional 13/20/25/30/47° optics	1
<b>ALP-AC-600-R</b>	600W safety LED projector with active cooling and optional 13/20/25/30/47° optics	1
<b>ALP-AC-L-70</b>	70W safety linear LED projector with active cooling and optional 50/75/90° optics	1
<b>ALP-AC-L-90</b>	90W safety linear LED projector with active cooling and optional 50/75/90° optics	1
<b>ALP-AC-L-110</b>	110W safety linear LED projector with active cooling and optional 50/75/90° optics	1