AGV Dynamic Weather Assist

Greater availability of AGVs due to weather-dependent speed monitoring

SICK

Sensor Intelligence.

AGV Dynamic Weather Assist

Technical data overview

Application	AGVs and AMRs Outdoor automation

Product description

The AGV Dynamic Weather Assist safety system increases the availability of automated guided vehicles (AGVs) in rain and snow. It consists of the outdoorScan3 safety laser scanner, the Flexi Soft safety controller and a software function block. Using the function block, the safety laser scanner automatically switches its protective fields depending on the weather, thereby enabling continuous operation of the AGV, even in strong rain or snowfall. Instead of stopping, the AGVs only move slowly than when the sun is shining. The benefits: Unplanned vehicle stops are weather-dependent interruptions of the material flow are avoided, and AGV mechanics and braking systems are protected.

At a glance

- Safety system for automatic, weather-dependent protective field switching of the outdoorScan3
- EtherNet/IP™-based communication between safety laser scanner and safety controller
- Software function block can be integrated later into Flexi Soft and outdoorScan3, making it suitable for retrofitting

Your benefits

- Thanks to the dynamic and weather-dependent protective field switching of the outdoorScan3, you increase the availability of AGVs in outdoor areas
- Even with heavy precipitation, your AGVs continue driving at reduced speed
- Consistent and reliable material flow, even under harsh and changing weather conditions
- Low-wear operation of your AGVs due to fewer unwanted emergency braking procedures

Fields of application

All industries in which automated guided vehicles are used outdoors, for example in the automotive industry, logistics or intralogistics

Ordering information

Other models and accessories ➜ www.sick.com/AGV_Dynamic_Weather_Assist

Product type	Items supplied	Type	Part no.
Hardware and software	2x outdoorScan3 Pro EIP safety laser scanner, FX3-CPU0 Flexi Soft main module, FX3-MPL0 Flexi Soft system plug, EFI-Pro FX3-GEPR0 Flexi Soft gateway, documentation (operating instructions), Software (Safety Designer project file with functional logic) as well as operating instructions	SYS/DWA-FX0040201020S3	1114367
	outdoorScan3 Pro EIP safety laser scanner, FX3-CPU0 Flexi Soft main module, FX3-MPL0 Flexi Soft system plug, EFI-Pro FX3-GEPR0 Flexi Soft gateway, documentation (operating instructions), Software (Safety Designer project file with functional logic) as well as operating instructions	SYS/DWA-FX0040201010S3	1114366
Software	Software (Safety Designer project file with functional logic) as well as operating instructions	SOW/DWA-FX00402010	1615375

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

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