amtr SYSTEM

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PRODUCT DATA SHEET

More information on the product page

AMTR-ZSD

Proximity docking system

- quick and safe loading
- protection and safeguarding of the handling system
- increase in working ergonomics
- improving staff communication with the driver
- compatibility with external systems

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CERTYFIKACJA SYSTEMÓW ZARZĄDZANIA
AC 082

PCC cert
CERTYFIKAT ISO 9001

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General information

This proximity docking system is an electronic system based on a proximity sensor combined with a traffic light to improve the logistical process of unloading and increase safety. It enables the efficient handling of goods and supports the work of drivers when docking vehicles. The system automatically informs the driver of the docked vehicle and the operating personnel inside the dock that the vehicle is ready for work.

Characteristics

- the external lights inform the driver of the distance to the dock, and the internal lights inform the driver that the vehicle is at the dock and work can begin,
- the light system operates on the basis of a proximity sensor which is fitted to the front of the platform and signal lamps located outside and inside the dock.

AMTR-ZSD V1 Docking System

The ZSD V1 light system is based on a proximity sensor and external signalling consisting of a green and red light informing the driver that he has reached a designated place and that the vehicle must stop. It is possible to link the system to the door, which gives feedback on the start of service.

STAGE	ACTIVITY DESCRIPTION	EXTERNAL LAMP	INTERNAL LAMP
1	The dock is at rest - ready for docking	green	red
2	The vehicle has arrived at the designated location*.	red	green
3	Closing the door at the end of vehicle operation	green	red
4	Vehicle departure from	green	red

* If vehicle operation does not start within 3 minutes of the vehicle being docked, the programme automatically goes to stage 3.

Technical data

Application	Docking systems
Power supply	230 VAC
Type of sensor	Ultrasonic PNP
Adjustable detector range	10- 1000 mm
Lamp wattage	40 W
Degree of protection	IP67

The set includes:

- Control box
- Proximity sensor
- Main signal with red and green light
- Installation wiring set

AMTR-ZSD V3 Docking System (Light Guide)

The ZSD V3 system is based on a system of LED lights to assist the driver because they are positioned at the optimum height for the driver, so that he does not have to constantly observe both the position of the wheels in relation to the steel guides and the distance from the dock wall. The use of the ZSD V3 system allows the complete elimination of traditional guidance systems, thus providing more space in the yard without obstacles, which makes snow removal easier in winter conditions. The ZSD V3 system is characterised by its long service life and low power consumption.

SITUATION	EXTERNAL LIGHT	INTERNAL LIGHT
No articulated lorry	○	🔴
Articulated lorry in place	🔴	🟢
Opening the door	🔴	🟢
Loading / unloading	🔴	🟢
Closing the door	🔴	🟢
After pressing the button	🔴/🟢	🟢/🔴
The articulated lorry drove off	○	🔴

Technical data

Application	Handling systems
Power supply	230 VAC
Type of sensor	Reflective PNP
Sensor range	10- 2000 mm
LED strip power	0.7 W
Degree of protection	IP67

The set includes:

- Control box
- Reflective sensor
- Sensor holder
- White LED strip - 2 pcs
- Red LED strip - 1 pc
- Installation wiring set

🔴/🟢

Flashing light

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