

MEITRACK_ASDS302_Door magnetic sensor_Specifications



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Document Revision History

Version	Date	Revision
1.0	2025-04-21	Initial draft.

Table of Contents

1 Product Overview.....	- 4 -
2 Specifications	- 4 -
3 Product Dimensions:.....	- 5 -
4 Product Circuit Description:	- 6 -

1 Product Overview

The wired door magnetic sensor is specifically designed for mobile applications, such as large truck doors and cargo container doors. It utilizes the interaction between magnets and reed switches to accurately detect the door's open and closed status in real time. The product employs a wired connection method, ensuring stable signal transmission free from wireless interference and distance limitations, thereby guaranteeing reliable delivery of door status information.

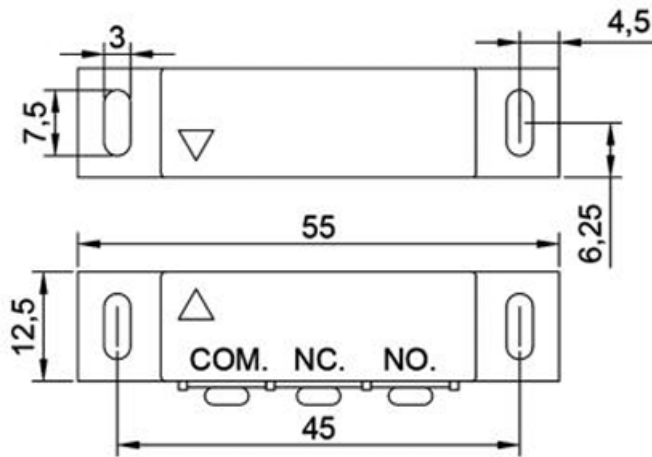
It can seamlessly integrate with GPS and MDVR devices to combine door status with vehicle positioning and video monitoring data. In the event of abnormal door opening, an alarm is triggered immediately, and the location information along with the footage of the door opening is uploaded simultaneously, enabling users to monitor vehicle status in real time. This effectively mitigates risks such as cargo theft and unauthorized intrusion. The sensor is widely applicable in logistics, freight management, and related fields, providing comprehensive protection for mobile assets. Product Specifications

2 Specifications

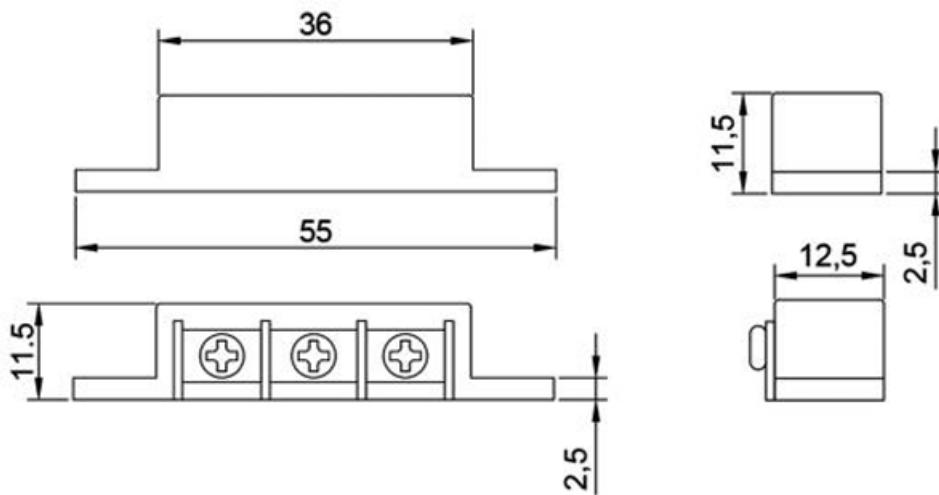
Item	NC/NO Type	Unit
Model	GY-MC31B	-
Switching Mode	Conversion	-
Contact Resistance (RC)	100max	mΩ
Break Value (D0)	4min	AT
Contact Voltage Withstand Time	150min	VDC
Insulation Resistance	10 ⁹ min	Ω
Contact Capacitance	1.5max	pF
Contact Rating	3	VA
Maximum Switching Voltage	30	V·AC/DC
Maximum Switching Current	0.2	V·DC
Maximum Carry Current	0.5	A
Operating Time	1.0max	ms
Bounce Time	1.5max	ms
Release time	0.05max	ms
Resonant frequency	6000±400	Hz
Maximum driving frequency	200	Hz
Operating temperature range	-40~80	°C
Installation method	Surface mounting	-
Housing material	ABS material	-
Housing color	White / Black / Brown	-
Cable specifications	1007 22#	mm
Cable length	300	mm
Cable colors	Gray, Red, White	-

Operating distance	≥20mm	mm
Product weight	17g	Pair
Product packaging	10 pairs per package	Package

3 Product Dimensions:



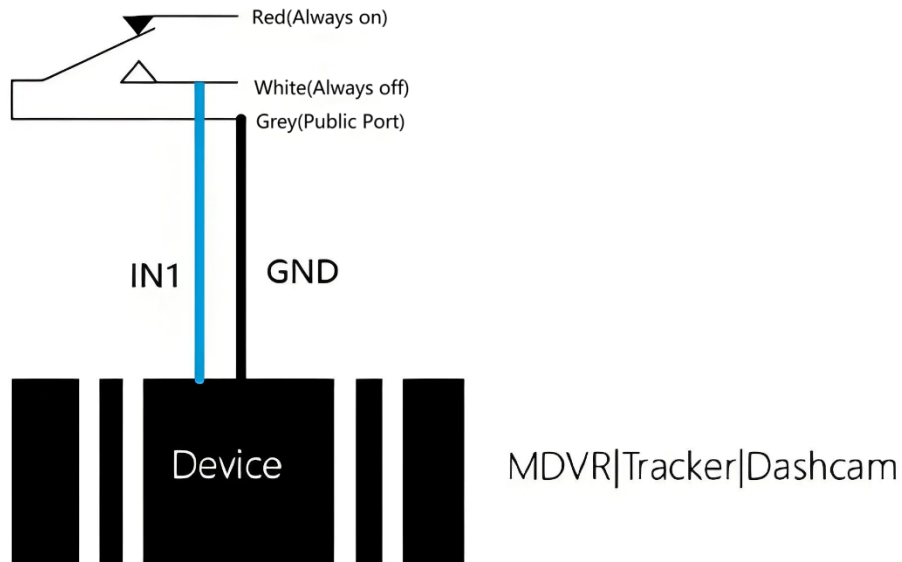
Top view



Side view

Front view

4 Product Wiring Description:



Tips: The common terminal is connected to VCC when positive triggering, and the common terminal is grounded when negative triggering.

If you have any further questions, please email us at info@meitrack.com. We are committed to providing you with excellent service.