

TR-WIA-PM812O-H

Wired Zone Expander



Key Features

- 8 on-board wired zones
- Supports 3EOL configuration (Alarm: 1 k Ω , Tamper: 1 k Ω , Fault: 2.2 k Ω)
- Detection of zone alarm, tamper, masking, fault, and short circuit conditions
- 1 power output for wired detectors
- 2 high-speed communication bus ports, supporting cascade connection of additional input expanders
- Long-distance bus communication up to 900 m between modules

Introduction

The TR-WIA-PM812O-H is a wired zone expander designed for hybrid intrusion control panels. It offers 8 on-board input zones and 2 on-board collector outputs to increase the system capacity. The expander connects to the control panel using a high-speed communication bus, supporting cable lengths of up to 900 meters. It also features an additional bus output for daisy-chaining another expander, allowing an extra 900 meters of cabling. With its reliable wired communication and flexible expansion capability, this module is well-suited for small to medium-sized installations such as villas, shops, offices, hotels, and similar applications.

Specifications

I/O Interfaces

Alarm input	8
Output interface	2 (connect to relay module)
Bus	2 high-speed communication bus ports, 1 input for control panel connection and 1 output for expander cascading
Tamper-Proof	Support (front and rear)
Indicator	LED indicators: 1 for power, 1 for fault

General

Power supply	11 to 24 VDC
Typical voltage	12 VDC
Power consumption	Maximum current: 119 mA@12 VDC Quiescent current: 45 mA@12 VDC
Output Voltage	9 to 12 VDC, max. 500 mA
Operation temperature	-10°C to 40°C
Operation humidity	10% to 90%
Material	Plastic
Dimension (WxHxD)	110 mm × 155 mm × 32 mm
Weight	252.5 g

Note: Specifications are subject to change without notice.

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