

TWM-3985

Wireless Conventional Coordinator

The TWM-3985 Conventional Coordinator is an interface device that allows wireless devices to operate with conventional fire alarm panels. This Wireless Conventional Coordinator module is fully compatible with all brands and models of conventional fire panels by using the appropriate end-of-line resistor. It processes signals from all wireless devices, enabling the control panel's warning and notification functions.

General Features

- Low Power, Two-Way Safe and Stable Wireless Communication Protocol (TLPWAN)
- EN 54-18 and EN 54-25 Certified
- Bi-directional Wireless Communication
- Fully Compatible with All Brand Conventional Panels
- Fully Wireless or Hybrid System Design Options
- Easy and Fast Installation, Commissioning and Usage
- Support for 31 Wireless Devices per Coordinator (26 Endpoint and 5 Repeater)
- Approx. 2000m Wireless Coverage Between Repeaters (Open Air)
- Approx. 1250m Wireless Coverage Between Endpoints (Open Air)
- Easy Configuration over BLE with Smart Phone Mobile Application
- Easy Configuration over USB Connection with PC Application
- Capable of storing 4095 log history
- Can Be Integrated with Third Party Addressable Fire Alarm Panels over t3Net
(*t3Net: Is a communication protocol that is implemented over RS-485 bus*)
- Power supply Absence Detection Feature

**EN 54-18****EN 54-25**

Technical Specifications

	TWM-3985
Standards	EN 54-18 and EN 54-25
Operating Frequency	868MHz
Radiated Power	Max. 14dBm (25mW)
Number of Channel	10
Coverage	Approx. 2000m Between Repeaters (Open Air) Approx. 1250m Between Endpoints (Open Air) (Varies in Indoor Settings; Depends on Installation)
Number of Consecutive Repeater Connections	4
Total Number of Single Repeater Connections	5
Total Number of Supported Wireless Devices	31 (26 Endpoints and 5 Repeater)
Supply Voltage	18Vdc - 35Vdc (External)
Average Current Consumption	8.3mA @ 24Vdc
Screen	128x64 LCD
Zone Resistor	Determined According to the Conventional Panel
Sounder Monitoring Input	1
Programming	Onboard Control Buttons, USB, BLE
Cross-section of the Cable Used	0.8mm ~ 2.5mm ²
Humidity	95% RH (max)
Operating Temperature	-10°C ~ +55°C
Weight	745gr
Dimensions (mm)	205mm x 164mm x 64mm + 70mm Antenna
Material	White, ABS Plastic