

TWM-1986

Wireless Repeater

The TWM-1986 Wireless Repeater extends the wireless network coverage by connecting to either a coordinator or another repeater. It is primarily used to increase the communication range between the wireless coordinator and wireless devices. The repeater is compatible with both the TWM-1985 Wireless Addressable Coordinator and the TWM-3985 Wireless Conventional Coordinator.



General Features

- Low Power, Two-Way Safe and Stable Wireless Communication Protocol (TLPWAN)
- EN54-18 and EN 54-25 Certified
- Bi-directional Wireless Communication
- Backup Battery
- Compatible with TWM-1985 and TWM-3985 Teknim Wireless Coordinators
- Easy and fast installation, commissioning and use
- Support for 31 wireless devices per repeater (26 endpoint, 5 repeaters)
- Approx. 2000 m. Wireless Coverage Between Repeaters (Open Air)
- Approx. 1250 m. Wireless Coverage Between Endpoints (Open Air)

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

Technical Specifications

	TWM-1986
Standard	EN54-18, EN54-25
Supply Voltage	18Vdc – 35 Vdc
Average Current Consumption	10mA (@24Vdc)
Operating Frequency	868 MHz
Radiated Power	Max. 14 dBm (25 mW)
Coverage	Approx. 2000 m Between Repeaters (Open Air) Approx. 1250 m Between Endpoints (Open Air)
Number of Channels	10
Total number of devices supports	31 (5 repeaters, 26 endpoint)
Number of Repeaters That Can be Connected to a Repeater consecutively	5
Humidity	95% RH (max.)
Operating Temperature	-10°C ~ +55°C
Size (mm)	205 mm x 164 mm x 64 mm + 70 mm Antenna
Housing material	White, ABS Plastic
Cross-section of the Cable Used	0.8mm ²
Weight	645 gr