

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

- TLPWAN Low Power, Two-Way Safe and Stable Wireless Communication Protocol
- 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	26
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 ~ 2.5mm ²
Weight	645 gr