T24-AR

mantracourt

Wireless Repeater Module

Introduction

The T24-AR is a repeater which will allow the T24 telemetry system modules to span around obstacles, increase range and coverage by retransmitting received messages.

The data sent by transmitter modules can be utilised by multiple receivers such as displays, handheld readers, analogue outputs, relay modules and computer interfaces. Receivers support common industrial power supplies and are available in robust IP rated enclosures with internal antennas optimised to give outstanding coverage.

The T24-AR is housed in an IP67 rated enclosure which accepts two D batteries as well as an external power supply.
The repeater enables messages to be repeated **once** so therefore extends the achievable wireless range. Adding further repeaters to the system will increase coverage but will not further increase the range.

Product Features

- Extends and enhances range of T24 devices
- Allows communication around obstacles
- Improves propagation of signal

T24 System Overview

Transmitters   Receivers

T24 Wireless Telemetry Sensor System is a modular wireless solution for industrial sensor applications.

High accuracy, high quality measurement is interfaced with simple yet powerful configuration and monitoring software.
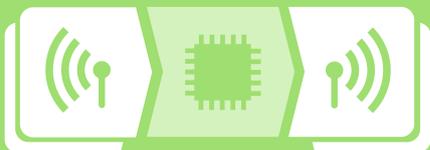
Specifications

Battery Life

Pair DD Cells. AR permanently activated	240 hours

Power Supply

Internal batteries (D cells)	2.1 to 3.6 Vdc
External power supply	5 to 18 Vdc

Radio

Radio type	Licence exempt transceiver
Radio frequency	2.4 GHz
Transmit power	10 mW
Range	Up to 800 m

Environmental

Operating temperature range	-20 to 55 °C
Storage temperature range (no batteries)	-40 to 85 °C
Maximum humidity	95% non-condensing
IP rating (ACM and ACMi)	IP67/Nema4

Mechanical

164 mm
Mounting Holes 4.5mm
50 mm
Height: 57 mm
84 mm
148 mm
Mounting Holes Ø4.5mm

Electrical

5 Vdc to 18 Vdc

3 Vdc
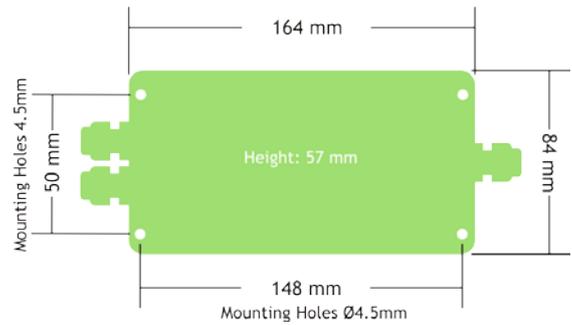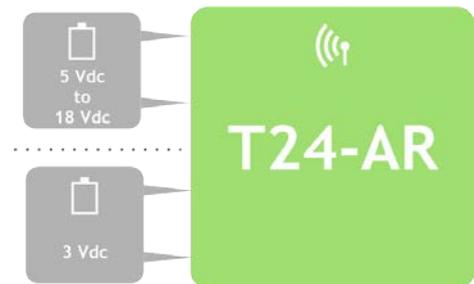
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Order Codes

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Wireless repeater module

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