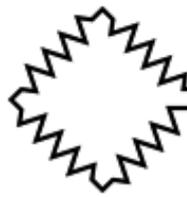**T24-RDC**

Amber Instruments Ltd

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Web: amberinstruments.com
3 Mercury House, Calleva Park, Aldermaston, Berkshire, RG7 8PN.

Wireless Remote Data Collection

Introduction

The T24-RDC uses a Quad Band GPRS modem to log and report data to multiple destinations including web services, email addresses and mobile phones, allowing for world wide access to data.

T24 transmitter values are also compared to user defined limits which can trigger alert messages allowing real time monitoring of an entire system.

Data can be collected and delivered at predefined intervals in the form of a CSV file or customised data can be delivered to a wide range of cloud data collection and analysis services. SMS messages and email can also be sent as triggered alerts or at intervals.

Low power modes allow the T24-RDC to operate from external battery packs or from solar panel systems.

Product Features

- Ideal for remote applications
- Wireless input range of up to 800 m
- Output data to anywhere in the world
- Collect data from up to 200 sensors
- Re-configure settings remotely using SMS
- Alert functionality
- Free software

T24 System Overview

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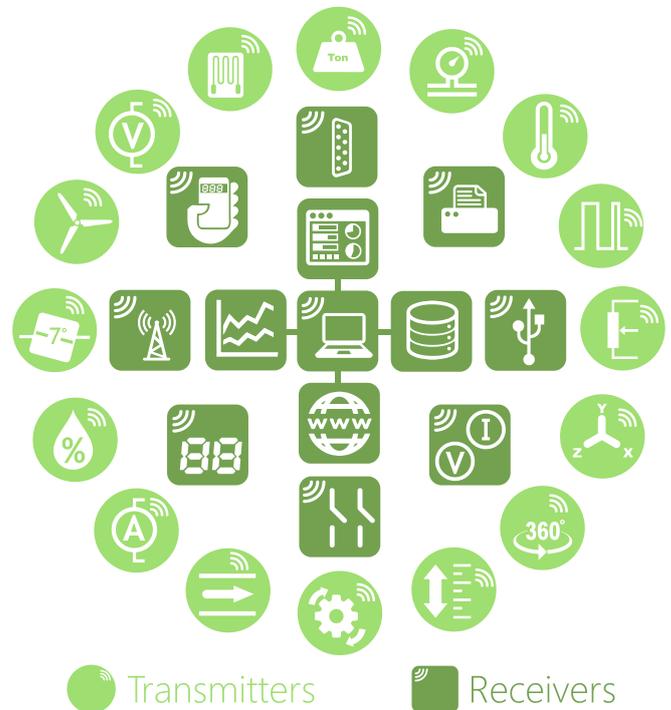
T24 Wireless Telemetry Sensor System is a modular wireless solution for industrial sensor applications.

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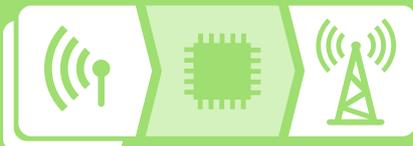
Specifications

Power Supply

Power supply voltage range	9 to 32 Vdc
Average operating current when GSM active	350 mA

GSM/GPRS Radio

Radio type	Quad-band EGSM
Radio frequency	850/900/1800/1900 MHz
Output power Class 4 @ 850 / 900 MHz	12 W
Output power Class 1 @ 1800 / 1900 MHz	1 W

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Environmental

Operating temperature range	-20 to 55 ºC
Storage temperature range	-20 to 50 ºC
Maximum humidity	95% non-condensing

Mechanical

30 mm
95 mm
190 mm
110 mm
120 mm
120 mm
Height: 55 mm
90 mm
Mounting Holes Ø4.0mm

Electrical

Trigger Input
9 Vdc to 32 Vdc
T24-RDC
Alarm Output OC
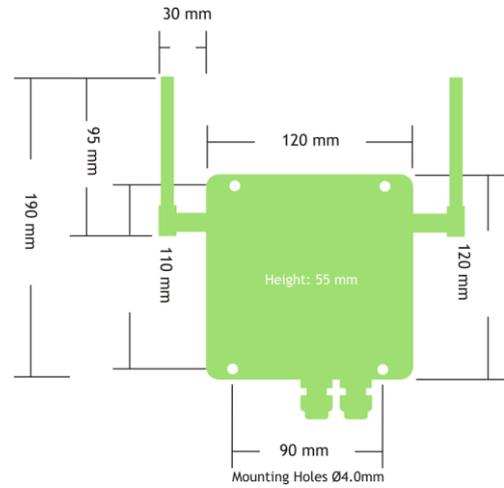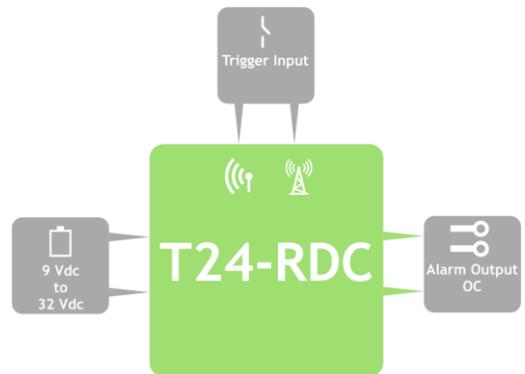
Order Codes

T24-RDC-1
Wireless remote data collection – 1 transmitter

T24-RDC-2
Wireless remote data collection – 2 transmitters

T24-RDC-5
Wireless remote data collection – 5 transmitters

T24-RDC-10
Wireless remote data collection – 10 transmitters

T24-RDC-200
Wireless remote data collection – 200 transmitters