

## New Generation Telemetry Relay Module

### Features



- Offers dual 240V AC 5Amp Relays
- Latched relays
- Sums up to 8 x T24 Acquisition Modules
- Alarm signal
- Up to 200m (650ft) wireless range
- Worldwide licence exempt 2.4 GHz radio
- Environmentally sealed to IP65



### Introduction

The T24-RM1 offers power relays capable of mains power switching. These relays can be configured as high, low or window alarms to one or a sum of up to 8 x T24 devices. Relays can be latched and a digital input or external command can be used to reset them.

An alarm signal relay is operated if communications is lost or other selectable errors occur and this alarm output can be silenced by a contact free digital input. This module is supplied as standard in an IP65 sealed ABS case but a DIN rail option is available.

The state of the power relays can be set as required if an error occurs.

### Specifications

#### Environmental

Parameter	Minimum	Typical	Maximum	Units	Notes
Supply voltage Range	9	12	32	Volts	
Operational Current No Relays Active	-	60mA		mA	At 12V supply TBC
Operational Current All Relays Active	-	80mA		mA	At 12V supply TBC
Operating Temperature Range	-10	-	60	Deg C	
Storage Temperature Range	-20	-	65	Deg C	
5Amp relays	-	240V 5A	-		

#### Physical

Case dimensions	160 x 80 x 55mm
Case materials	Light grey ABS with IP65 cable glands
Terminals	2.5mm, rising clamp field terminals, 6 way field connector
Accessibility	All electronics accessible by removing lid

### Software Details

T24 Toolkit

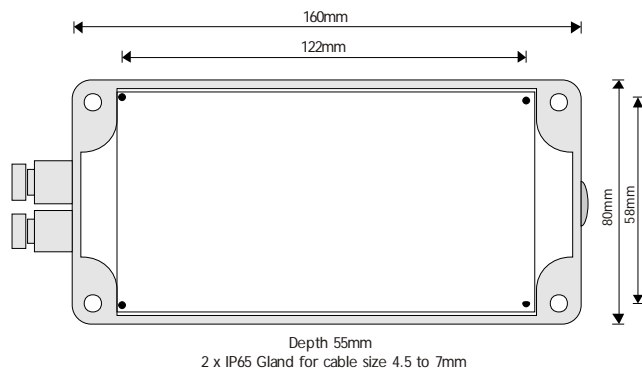
## Range Product Order Codes

T24-ACM	Wireless Radio Telemetry Acquisition Enclosure	T24-HR	Wireless Radio Telemetry Handheld Display Unlimited Inputs
T24-ACMi	Wireless Radio Telemetry Acquisition Enclosure	T24-HS	Wireless Radio Telemetry Handheld Display Single Inputs
T24-ANTA	Wireless Radio Telemetry Antenna	T24-IA	Wireless Radio Telemetry Current (4-20mA) Acquisition Module
T24-ANTB	Wireless Radio Telemetry Antenna	T24-PR1	Wireless Radio Telemetry Printer
T24-ANTC	Wireless Radio Telemetry Antenna	T24-RM1	Wireless Radio Telemetry Data to Relay output
T24-AO1	Wireless Radio Telemetry Desktop Analogue Output Module	T24-SA	Wireless Radio Telemetry Strain Gauge /Load Cell Acquisition Module
T24-AO1i	Wireless Radio Telemetry Industrial Analogue Output Module	T24-SAf	Wireless Radio Telemetry 2KHz Strain Gauge Acquisition Module
T24-BC1	Battery Charger for T24 Acquisition Modules	T24-SO	Wireless Radio Telemetry Printer and Display Driver
T24-BSi	Wireless Radio Telemetry Industrial Base Station	T24-TK	Wireless Radio Telemetry Toolkit Software
T24-BSu	Wireless Radio Telemetry Base Station USB	T24-VA	Wireless Radio Telemetry Voltage (0-10V) Acquisition Module
T24-DPV	Wireless Radio Telemetry T24 Data Provider Viewer and Logger		
T24-HA	Wireless Radio Telemetry Handheld Display Multiple Inputs		

For more up to date information visit our website  
[www.mantracourt.co.uk/products/wireless-telemetry](http://www.mantracourt.co.uk/products/wireless-telemetry)

## Mechanical Dimensions

T24-RM1



## Approvals

**CE**, Complies with EMC directive. 2004/108/EC  
 The Radio Equipment and Telecommunications Terminal Equipment (R&TTE) Directive, 1999/5/EC.



Industry  
Canada

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Canada



Designed, Manufactured  
& Supported in the UK

*In the interests of continued product development, Mantracourt Electronics Limited reserves the right to alter product specifications without prior notice.*