

*Wireless Telemetry Serial Output*

**Features**



- 2 way radio system for data integrity
- Wide operating voltage range
- Worldwide licence exempt 2.4 GHz radio
- Gather data from up to 8 remote acquisition devices
- User defined output
- 120 metre (400 feet) range maximum
- Simple configuration via PC using base station with Telemetry Toolkit software



**Introduction**

This device creates a serial output which can include data from up to 8 T24 acquisition devices and optionally sum them. The output is suitable for connecting to a printer, serial display or for feeding directly into a PC or PLC.

The actual serial output can be designed by the user which can include free text or tokens which can represent real data. i.e. <V1> would be decoded as the value from input 1 when the output is triggered.

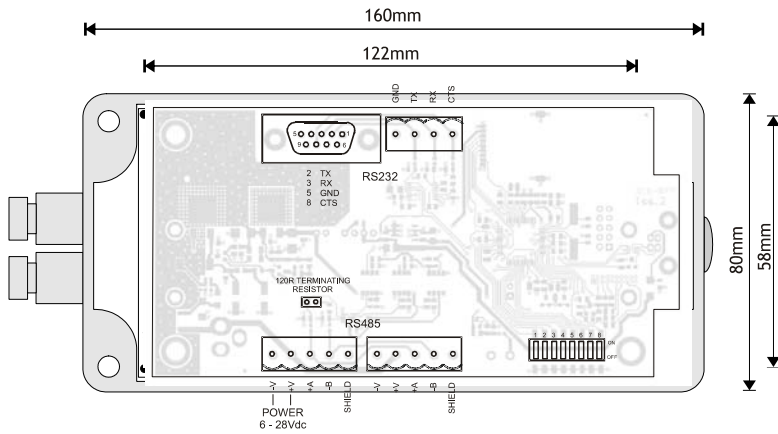
The serial output can consist of a single line of data suitable for feeding into an LED display module or a more complex multi-line result that can contain a mixture of fixed and variable data suitable for tickets, receipts etc for printed output.

The serial output is fixed at 8 data bits, 1 stop bit and no parity. RS232 or RS485 are supported. Baudrates can be selected as 9600, 19200, 38400, 57600, 115200, 230400, 460800. The output can be triggered from an external digital trigger or by the arrival of data from a specific device.

**Specifications**

Parameter	Minimum	Typical	Maximum	Units	Notes
External Supply voltage Range	9	12	36	Volts	
Average Operational Current	-	1A	3.5A Peak	mA	
Operating Temperature Range	-40	-	65	Deg C	
Storage Temperature Range	-40	-	65	Deg C	
Reverse Polarity Protection		-	-36	Volts	Maximum Supply level

## Connections



Depth 55mm  
2 x IP65 Gland for cable size 4.5 to 7mm

## 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)

## Approvals

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



Industry  
Canada

Industrie  
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.*