

T24-SO Wireless Telemetry Serial Output Module

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 (RS232 or RS485)
- 120 metre (400 feet) range maximum
- Simple configuration via PC using a base station and Telemetry Toolkit software.
- Environmentally sealed to IP65

Typical Applications

- Wireless shackle load cells
- Wireless link load cells
- Platform Weighing
- Vehicle Weighing
- Rotating machine force measurement
- Balancing Systems
- Simple Centre of Gravity

Description

The T24-SO creates a serial output which can include data from up to 8 T24 acquisition devices and optionally summate 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 to represent real data. i.e. <V1> would be decoded as the value from input 1 when the output is triggered.

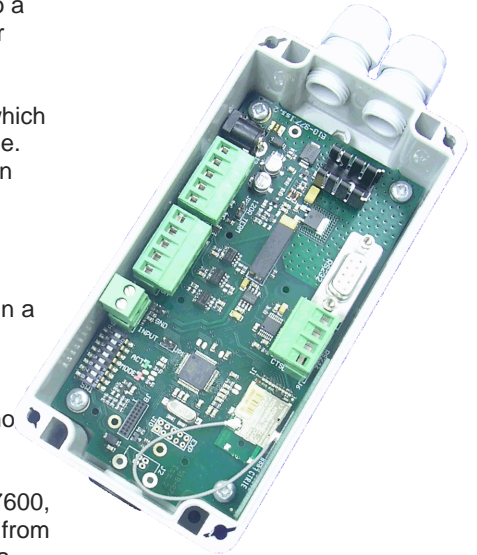
The serial output can consist of a single line of data suitable for feeding into an LED display module or can have a more complex multi-line result which can contain a mixture of fixed and variable data suitable for printed tickets, receipts etc.

The serial output is fixed at 8 data bits, 1 stop bit and no parity. RS232 or RS485 are supported.

Baud rates 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.

LCM Systems can supply the T-24 products integrated into various sensors, to form a wireless load cell system. There are several standard products which utilise the T24 range, including the TELSHACK range and RILL ranges.

Please contact LCM's technical department to discuss your wireless load cell requirements.



Specification

General Radio

Parameter	Min	Typical	Max	Units
Licence	Licence Exempt			
Modulation method	MS (QPSK)			
Radio type	Transceiver (2 way)			
Data rate	250			K bits/sec
Radio Frequency	2.4000	2.4835		GHz
Power	1			mw
Channels (DSSS)	16			

* Maximum range achieved in open field site with T24-SO at a height of 3 metres above ground

Approvals



, Complies with EMC directive. 2004/108/EC

The Radio Equipment and Telecommunications Terminal Equipment (R&TTE) Directive, 1999/5/EC.



Family: RAD24



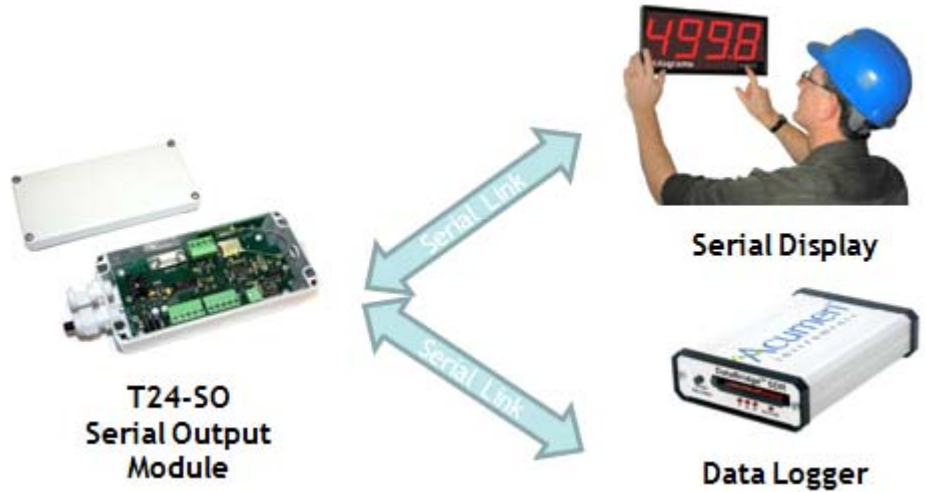
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Canada Canada

IC:7224A-RAD24

Wireless Telemetry Serial Output Module TYPE: T24-SO

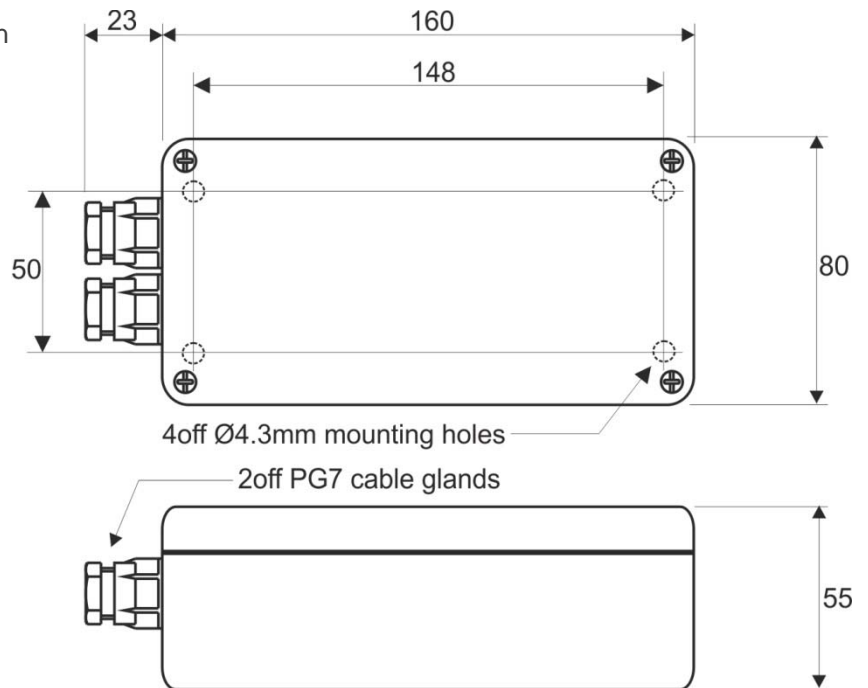
Electrical	Min	Typical	Max	Units
Power Supply voltage	9	12	36	V dc
Average Operating Current		1	3.5	Amps (peak)
Reverse Polarity Protection			-36	V dc

Environmental	Min	Typical	Max	Units
IP rating		IP65		
Operating temperature range	-40		+65	°C
Storage Temperature	-40		+85	°C
Humidity	0		95	%RH



Mechanical Dimensions

All dimensions in millimeters



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Due to continual product development, LCM Systems Ltd. reserves the right to alter product specifications without prior notice.

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