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Modul wireless de iesire T24-SO



Modul wireless de iesire T24-SO Producator: LCM Systems T24-SO Wireless Telemetry Serial Output Module

Descriere

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 base station with Telemetry Toolkit software.
- Environmentally sealed to IP65

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. 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 these products, including the TELSHACK and RILL ranges.

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

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		

General Radio

Approvals

* Maximum range achieved in open field site with T24-SO at a height of 3 metres above ground				
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
Use a pair of alkaline AA batteries. Due to the higher voltage requirements of this device NiMh and NiCad batteries are not recommended.				
Environmental	Min	Typical	Max	Units
IP rating		IP65		
Operating temperature range	-40		+65	°C
Storage Temperature	-40		+85	°C
Humidity	0		95	%RH