T24-SO

This module generates a serial output ASCII string which can include data from up to 8 Compound plus loadcells as well as optionally sum them.

The output is suitable for connecting to many serial input devices that require simple ASCII data.

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

The output of the device can be triggered by the reception of user specified data. i.e. data is only outputted when data is received from a specific acquisition module or when triggered from a handheld device. The licence free 2.4GHz direct sequence spread spectrum (DSSS) radio technology offers high integrity, error free communications which can co-exist with other wireless technologies such as Wi-Fi, Bluetooth® and Zigbee®.

Parameter	Minimum	Typical	Maximum	Units	Notes
External Supply Voltage	9	12	32	Volts	
Average Operational	-	TBD	500	mA	
Operating Temperature	-40	-	65	Deg C	
Storage Temperature	-40	-	65	Deg C	
Reverse Polarity		-	-32	Volts	Maximum supply level

Parameter	Minimum	Typical	Maximum	Units	Notes
Licence		Licence exempt			
Modulation Method		MS (QPSK)			
Radio Type		Transceiver (2 way)			
Data Type		250		K bits/sec	
Radio Frequency	2.4000		2.4835	GHz	
Power		1		mw	
Range			200	Metres (Feet)*	
Channels (DSSS)		16			

*Maximum range achieved in open field site at height of 3 metres (9.8 feet) above ground.