

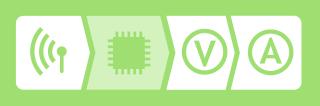


Wireless Analogue Output Receiver Module



Product Features

- Provide analogue output for T24 acquisition modules
- One to one transmission up to 2000 updates per second (dependant on acquisition module)
- Industrial & desktop versions available



Introduction

The T24-AO1 Receiver converts data from a T24 wireless transmitter module into an analogue output and forms part of the T24 modular telemetry system. Data from any of the T24 range of transmitters can be used.

The data sent by transmitter modules can be utilised by multiple receivers such as displays, handheld readers, analogue outputs, relay modules and computer interfaces. Receivers support common industrial power supplies and are available in robust IP rated enclosures with internal antennas optimised to give outstanding coverage.

The T24-AO1 offers, as standard, a user choice of analogue outputs; 0-10 V, 4-20 mA, 0-20 mA, ± 10 V, ± 5 V. A choice of a desktop enclosure or an IP67 sealed enclosure allows selection of a module to suit your individual application. The T24 Toolkit offers a fast and simple way to configure the analogue output scaled from any engineering unit input.

T24 System Overview



T24 Wireless Telemetry Sensor System is a modular wireless solution for industrial sensor applications.

High accuracy, high quality measurement is interfaced with simple yet powerful configuration and monitoring software.

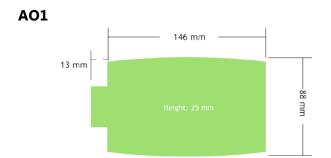
Voltage Output Specifications	
Voltage ranges	0-5 V, 0-10 V, ±5 V, ±10 V
Resolution / Bits	65,000/16
Output gain stability (max)	±0.015 % FS / °C
Output zero stability (max)	±0.015 % FS / °C
Linearity (max)	±0.01 % FS
Minimum load impedance	5000 Ω

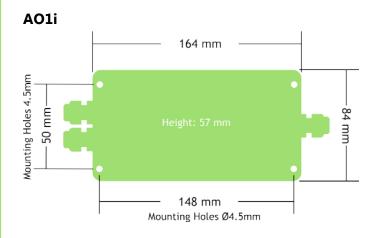
Current Output Specifications	
Current ranges	4-20 mA, 0–20 mA
	sink & source
Resolution / Bits	65,000/16
Output gain stability (max)	±0.03 % FS / °C
Output zero stability (max)	±0.02 % FS / °C
Linearity (max)	±0.02 % FS
Maximum load impedance	500 Ω

Power Supply	
Power supply voltage	9 to 32 Vdc
Operational current	100 mA (typical)

Radio	
Radio type	Licence exempt
	transceiver
Radio frequency	2.4 GHz
Transmit power	10 mW
T24-AO1 Range	Up to 100 m
T24-AO1i Range	Up to 800 m

Environmental	
Operating temperature range	-20 to 55 °C
Storage temperature range (no batteries)	-40 to 85 °C
Maximum humidity	95% non-condensing
T24-AO1 IP rating	IP50
T24-AO1i IP rating	IP67/Nema4







T24-A01

Wireless analogue output receiver module in a desktop IP50 enclosure

T24-A01i

Wireless analogue output receiver module in IP67 enclosure

Mantracourt Electronics Ltd

The Drive, Farringdon Exeter, Devon, UK EX5 2JB

Tel: +44 (0)1395 232020











ME

mantracourt.com