

T24-AR Wireless Telemetry Active Repeater Module

Features

- Repeater module to increase range and overall coverage
- Allows T24 transmission to span around obstacles
- IP65 Rated
- Integrated PCB antenna
- Simple configuration via PC using base station & T24 Toolkit software
- Battery power supply or external power supply

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-AR Active Repeater module will enable the T24 range of acquisition modules to span around obstacles or increase range or coverage.

The repeater acts as transparent link between acquisition modules and the receiver, powered by either a pair of alkaline 'D' Cells or an external power supply (5-18 Volts).

The repeater will allow messages to be repeated once which can effectively double the radio range. Adding multiple repeaters will not increase the range but can increase overall coverage.

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

Electrical	Min	Typical	Max	Units
Battery Supply voltage	2.1	3	3.6	V dc
External Power Supply	5		18	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

Approvals



, Complies with EMC directive. 2004/108/EC

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



Family: RAD24

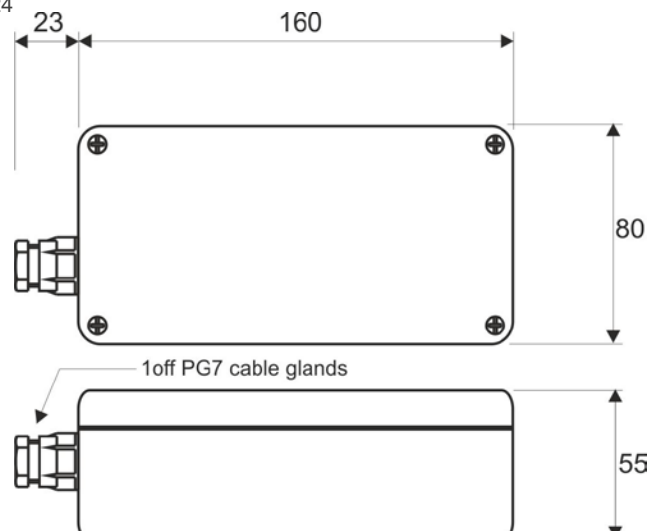


Industry Industrie
Canada Canada

IC:7224A-RAD24

Mechanical Dimensions

All dimensions in
millimeters



Examples of Configurations and Uses

KEY:  T24 Provider
e.g. Acquisition Module  T24 Consumer
e.g. Base Station or Handheld  T24 Repeater
T24-AR  Obstacle
Building, Wall etc

To increase Wireless operating range:-



To work around obstacles that would normally reduce operating range:-



To service many different wireless devices in a larger T24 wireless installation:-



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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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