

Radio output module

What is a Radio Output Module?

The Radio Output Module (ROM) can be wall or ceiling mounted and allows other compatible devices, to transmit a signal to a Lifeline home unit and other Tunstall telecare enabled systems, eliminating the need to hard wire a sensor or detector to the Lifeline Home Unit.

How does it work?

The ROM works as an interface between approved electrical devices and Tunstall telecare enabled systems. These may include an existing intruder alarm system, low temperature sensor, carbon monoxide detector or pressure mat.

Why is it needed?

A ROM is required to convert traditional hard wired sensors, into radio triggered units - all of which make independent living possible through tailored care packages.

Who is it for?

Designed for any individual, or situation that requires additional sensors for added protection.



Features and benefits

- **Transmission to class 1 radio receiver** - ensuring that signals from sensors are reliably received, when linked to Lifeline home units and other Tunstall telecare enabled systems
- **Dedicated frequency** - operates on the dedicated European 869 MHz social alarm frequency for reliable, future proofed operation
- **Range** - radio range is up to 50m ideal for the larger homes
- **Automatic low battery warnings** - ensuring optimum operation at all times
- **5 year battery life** - up to 10,000 trigger operations are possible (under normal operating conditions)

Technical details

Weight:	68g
Dimensions:	51mm x 75mm x 25mm (WxHxD)
Radio frequency:	869.2125MHz
Radio range:	Up to 50m (typical)
Power supply:	1 x 3V Lithium cells
Battery life:	5 years depending on usage
Battery disposal:	In accordance with current legislation

It can be connected to products that:

- a) Have volt free output from a relay or opto-coupler.
- b) Provide a switching pair output with neither conductor connected to ground, zero volts or a Neutral conductor.
- c) Compatible with normally open (N/O) initiation system, 10mA is provided by the ROM.

Should the contacts be closed for an appreciable length of time, battery life will be reduced.

Environment

Temperature:	0oC to 40oC
Environmental humidity:	Complies to EN50130-5 1998 sections 13 and 14

Standards

Safety:	EN 60950:2000
Radio:	EN300 220-3V1.1.1 (09-2000)
CE:	Compliant
Manufacturing & design:	ISO 9001: 1994
Part Number:	67005/35

Note: A Class 1 receiver is necessary for “highly reliable short range device (SRD) communications media, eg serving human life inherent systems”

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