<div align="center">**NOTICES**</div>

Approval: This product is marked with a CE mark and constitutes a Class 2.7 device.
The radio system has been designed to comply with EN50134 series of European Norm standards specific to Social Alarms.

The product exceeds the requirement for Electromagnetic Compatibility (EMC) standard BS EN 50130 part 4; which sets criteria for EMC Immunity for components of fire, intruder and social alarm systems.
The radio triggers (and receiver) are in accordance with the specific European Social Alarm radio frequency band allocation (from 869.20 to 869.25MHz). They operate at 869.2125 MHz.
The radio transmitters comply with mandatory radio standards for Short Range Devices (SRD) ETSI EN 300-220: The radio receiver also conforms and exceeds the mandatory class 1 criteria necessary for
"Highly reliable SRD…serving human life inherent systems."

Transmitter parameters

The transmitter follows a pre programmed cycle leading to a typical duty cycle class of 1 (<0.1%):	A class 2.7 device
Effective radiated power 200 micro Watts	Frequency error $\pm$ 3 kHz maximum
Adjacent channel power <100 nano Watts	
Effective range up to 50m (into standard alarm telephone)	Intended area for use is Europe
Intended environment is group II - indoor in general with intended operating temperature between –10 to +55 Celsius	Expected battery life 15000 operations- typical external equipment

Declaration of Conformity

We, Tunstall Telecom of Whitley Lodge, Whitley Bridge, Yorkshire, England, DN14 0HR
Declare that the 869 Radio Output Module conforms with the essential requirements of the RTTE directive 1999/5/EC. Essential radio test suites have been carried out.
Model Number: 67005/35
Applicable standards:

EMC	EN 55022:1998
	ETSI EN300-683:1997 (Class 1)
	ETSI EN301-489-1:(2000-08) Class 1
Safety	EN 60950:2000
Radio	ETSI EN 300 220-3:(2000-09)
Social Alarm	EN50130-4:1995 + amendment A1:1998
Signed	

Technical Director   Date   30 September 2002
Associated Summary Information (02RTTE0016A)   The CE mark was first applied in September 2002

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869 Radio Output Module (N/O) Installation Guide

This guide is for use with Tunstall Radio Output Module 67005/35

1   *Confirm Functionality and Compatibility*

The Radio Output Module is a radio transmitter device activated by external interfacing equipment.

Input compatibility criteria include:

a)   Must be Volt free output from a relay or opto-coupler
b)   Must provide a switching pair output with neither conductor connected to ground or zero Volts.
c)   Compatible with normally open (N/O) momentary initiation systems. 10mA is provided by the ROM. Should the contacts be closed for an appreciable length of time, battery life will be reduced.

Note this product must not be directly connected to the mains supply.
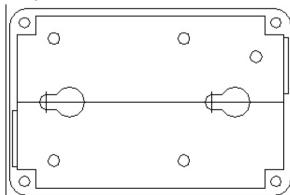Note the input is polarity sensitive
An integral length (1.8m) of cable is provided- it should not be extended

2   *Installation*

a)   Position the ROM within 1.8 metres of the interfacing equipment
b)   Fix to the wall using the keyslots at the rear. Template follows. Note that the Rom must not be mounted onto an electrically conductive surface if radio range is not to be impaired
c)   Connect the cable pair to the contacts on the associated equipment. Note that the striped lead is for connection to the emitter (more +ve) connection of a polarity sensitive opto coupler. The non striped lead is 0V
d)   Programme the ROM into the appropriate Social Alarm equipment using its user or programming guide. Activate a test call to initiate transmission.
e)   Test the installation by activating the associated equipment either via a test button or raising a full alarm condition

3   *Installation Template*

(44mm between centres)