



REPEATER (TRANSCIVER)



INSTALLATION MANUAL

Part No. 100-292

INTRODUCTION

The SmartLink Repeater (Transceiver) is an effective way to increase the range of SmartLink Transmitter Devices in harsh and remote conditions.

When a valid signal is received it will automatically decode and then relay (retransmit) the signal further to a remote unit for action.

The SmartLink Repeater (Transceiver) has a back up battery to allow continued operation during Mains power failures.

REPEATER LOCATION AND RANGE

The SmartLink Repeater (Transceiver) should be located in a position approximately half way between the furthest transmitter Devices (Radio Keys, Radio PIR's or Reed Switches) and the SmartLink unit (Medi-Alarm, Medi-Call, etc). For best results mount the SmartLink Repeater (Transceiver) vertically (recommended mounting height at least 1.5 metre from the ground) as this is the optimum polarisation for both the receiver and transmitter. The Radio range between the main receiving device and the repeater is approximately 50 metres in free air although environment factors such as metal frames etc need to be taken into consideration.

For the SmartLink Repeater (Transceiver) to operate, simply connect the 16 VAC Adaptor and the inbuilt 8.4 V rechargeable battery back up.

Note – Do not leave the SmartLink Repeater (Transceiver) connected with the back up battery only and no Mains power for extended periods, as this will severely diminish operating range of the SmartLink Repeater (Transceiver) until Mains power is reconnected.

INDICATORS

- **Mains On**

The Mains On Light is normally ON and FLASH when Mains Fail is detected.

- **Battery Low**

The Battery Low Light is normally OFF and will turn ON or FLASH to indicate the following conditions as described below:

Battery Missing – the Battery Low Light will be ON steady and the beeper will continuously beeps until a battery is fitted.

Battery Capacity Fail – the Battery Low Light will DOUBLE-FLASH (battery cannot be properly recharged or hold a charge).

- **Radio Rx/Tx**

The Radio Rx/Tx is normally OFF and will FLASH when a valid radio message is repeated.

SPECIFICATIONS

▪ Size	210 x 140 x 35 mm
▪ Weight	450 grams
▪ Type	Superhetrodyne
▪ Sensitivity	> -100 dbm
▪ Frequency	303.875 MHz
▪ Range	50 metres open air (Subject to environmental conditions)
▪ Operating Voltage	7-11 Volts
▪ Quiescent Current	1 mA
▪ Back up Battery	8.4V Ni-MH
▪ AC Plug Pack	17V AC 300mA



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