

LGMT434 Genesis Masthead Receiver



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Product Overview

This Masthead Receiver forms the core of a Genesis Wireless system and is weather proof to IP66. Its purpose is to receive alarm data from the wireless PIR's and pass it to a control unit, or compatible device via an RS232 link.

A Masthead can transmit data as well as receive it, which means it will transmit back to a Walk Test Instrument to show all received information as well as the signal strength at the masthead. In this way the installer knows that the detector is working correctly and also that it is being received by the system. In addition, it can perform as a repeater for systems that require greater transmission operating distances.

Reception Range is up to 1km line of sight and up to seven repeaters can be used in any one system to provide transmission range of several kilometres. Finally, the Masthead can be programmed with individual names for each unit number which are transmitted to the walk test instrument or pager to aid location of the detector. An optional aerial (AE434) may be used instead of the supplied aerial for improved reception.



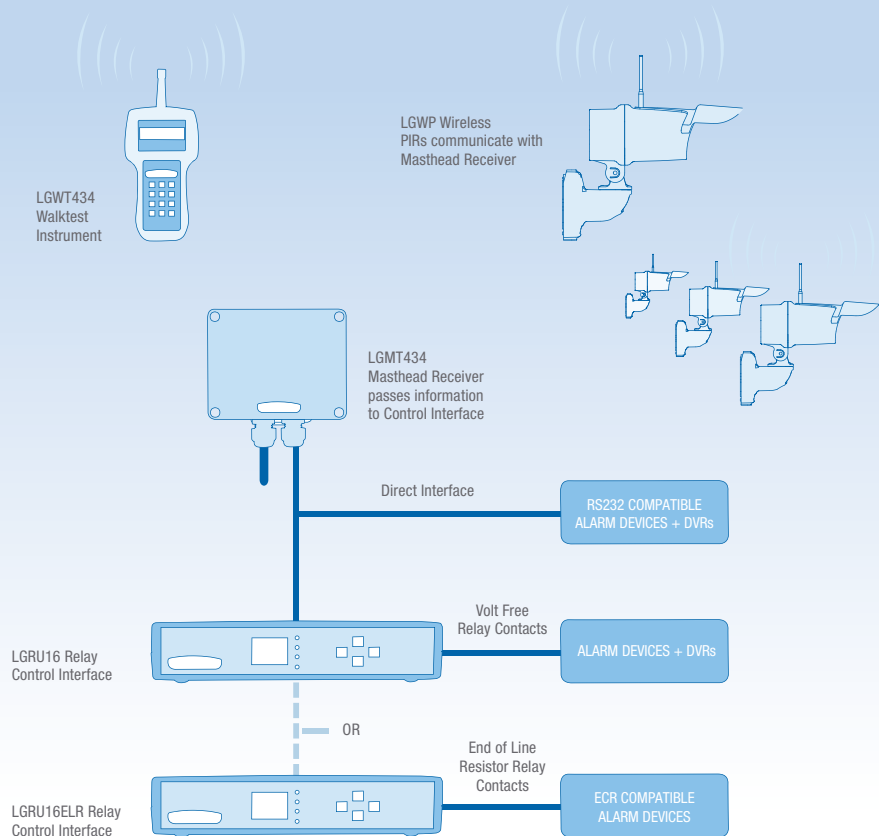
Installation

A system comprises of up to 64 wireless PIR detectors that transmit to a single Masthead Receiver over a distance of up to 1Km. The receiver is supplied with an aerial but it is recommended to use the AE434 external aerial for maximum range and performance.

The Masthead outputs the alarm data in the form of ASCII text on RS232 which can then be connected to a relay control unit that will convert this information into physical alarm contacts.

There are two types of control unit to choose from which provide either volt free contacts or contacts with end of line resistors built in. (See LGRU16 and LGRU16ELR data sheets)

A third option is to use the RS232 data to directly trigger a compatible alarm device. The protocol is open source and available on request.



For Use With LGMT434



Genesis LGWP
Wireless PIR Detector



Genesis 2
Wireless PIR Detector



LGTX434 Wireless
Genesis Transmitter



LGRU16 Relay Unit
16 Alarms & 16 Tamper



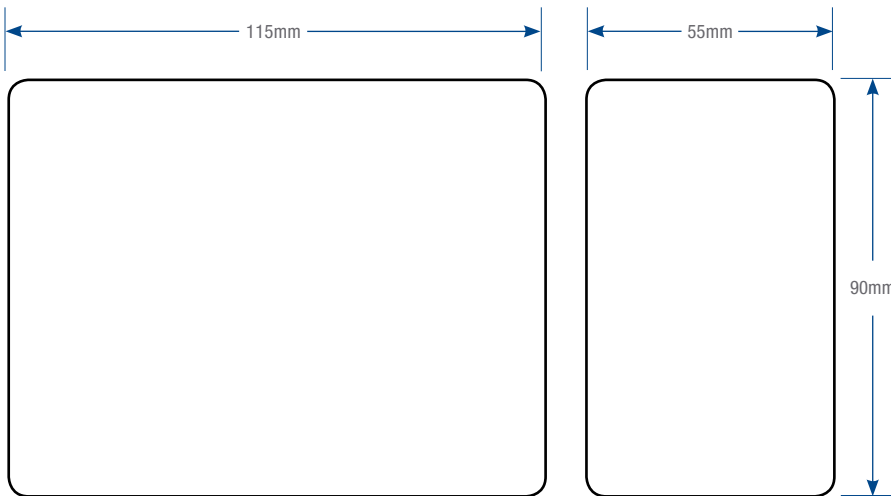
LGRU16ELR Relay Unit
16 Alarms & 16 Tamper



LGWT434
Walk Test Instrument

For more information see separate datasheets

Dimensions



Specifications

Receiver / Transmission Frequency	434.525Mhz
Reception / Transmission Range	1km line of sight (with AE434)
Aerial	50 ohm 1/4 wave
Site codes	32
Unit codes	64
Output	RS232
Operating voltage	12V DC
Power Consumption	Max 58m/a
Temperature Range	-10 deg C +60 deg C
Weather Rating	IP66
Enclosure	ABS plastic housing
