

ESR8+8 and ESEM8

16 zone wireless receiver

For event driven CCTV



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Product Overview

The ESR8+8 is a wireless receiver designed to work with Easyswitch transmitters and PIR detectors.

Supplied with 8 zones as standard, a further 8 zones can be added using an ESEM8 module to provide the maximum of 16 zone outputs.

ESD Easyswitch Wireless PIR detectors will operate up to 500m from the receiver and are ideal for integration with CCTV systems that are to be event driven. NB: Longer ranges up to 1km require an alternative external antenna (AE434).

The receiver has 8 volt free relays which are conveniently brought out to screw terminals along the front edge of the circuit board and the expander board ESEM8 has the same features.

An external inhibit feature can be used to disable the alarm relays in groups or globally.

Inhibit is also possible by using an ESF1 KeyFob and an ESEM8 module but it will reduce the number of outputs to 15.

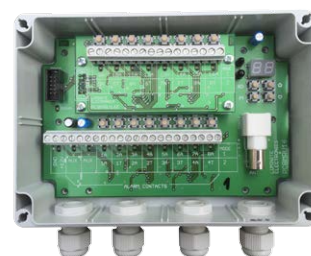
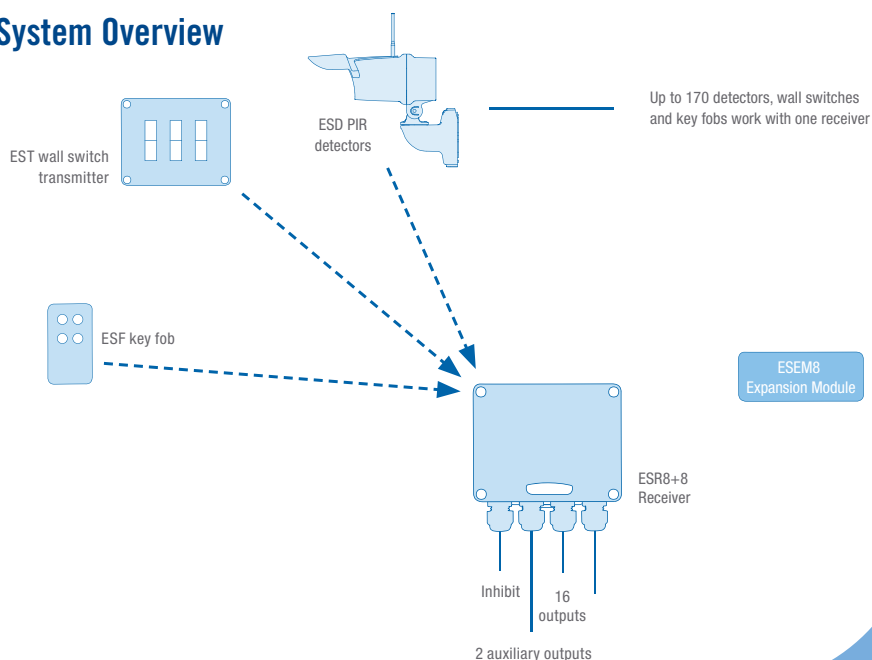
There are two additional relays which can be programmed to provide a grouped or global alarm output as well as day/night and global or grouped inhibit as required.

Easy programming is facilitated by way of an LED display and programming buttons.

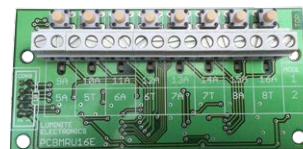
EPROM memory stores all learned devices and enables restoration of the alarm status in the event of a power interruption.



System Overview



ESR8+8 Receiver



ESEM8 Expansion Module





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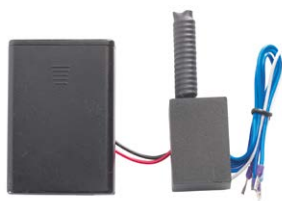
For Use With ESR8+8 and ESEM8



ESD1, ESD2, ESD3
Wireless PIR Detectors



ESF1, ESF4
Key Fobs



EST1
Wall Switch



AE434 and AE434MAG
High Efficiency Aerial

For more information see separate datasheets

Specifications

Supply	9 – 15 volts DC
Power Consumption at	12 V DC 117ma max 8ma min. (All relays and LED's off)
Frequency	433.92Mhz
Antenna	¼ wave (supplied)
Optional compatible antenna	AE434 or AE434MAGNETIC
Wireless reception range	Up to 1km line of sight from ESD PIR if used with AE434, otherwise 500m
Zone outputs	8
Zone outputs with ESEM8	16
Zones inhibit	Hard wired or wirelessly using an ESF1 Key Fob Grouped or globally
Two auxiliary outputs	May be configured as Global or group alarm outputs. Day/Night output and global or grouped inhibit
Temperature range	-10 to +60 °C
Weather rating	IP66
Enclosure	UV stable ABS
Dimensions	W170 x H120 x D55mm



Dimensions

