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# ESR8+8

## 16 Zone Wireless Receiver

This receiver has been designed for CCTV and alarm systems that require up to 16 or more wireless PIR detectors to be received to one central position. 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.

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 ESF.4 key fob and an ESEM8 module but 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.

The 8 relays can be individually set to N/C or N/O. Note that the relays cannot be directly used to turn on loads more than 100MA. Easy programming is facilitated by way of an LED display and programming buttons. Non-volatile memory stores all learned devices and enables restoration of the alarm status in the event of a power interruption. The ESR8+8 receiver is capable of learning up to 170 EasySwitch devices which can all be assigned to one zone if required.

The ESR8+8 has a transmission range of 500m which can be extended to 1km using an external aerial (AE434).



### Technical Specifications

	ESR8+8
Power Supply	12 volts DC
Transmission Frequency	433.92Mhz
Antenna	1/4 wave (supplied), optional AE434 or AE434MAG antenna available (not supplied)
Wireless Transmission	500m as standard, up to 1km using an external AE434 or AE434MAG aerial
Zone Outputs	8 as standard, 16 when used with an ESEM8 expander module
Zones Inhibit	Hardwired or wirelessly using an ESF.4 keyfob (grouped or globally)
Temperature Range	-10°C to +55°C
Weather Rating	IP66
Enclosure	UV stable ABS
Dimensions	170 x 120 x 55mm

