

## **Boltek EFM-100 Electric Field Mill Short Range Lightning Detector 38 km**

This system can be setup as either a **complete standalone** (autonomous) unit or connected to a PC for local viewing of lightning (concentric distance rings) with provided Electric Field Monitor Software.

In general most users do not connect to a pc at all except to configure either the ERL10 (set distance or KVA setting) or to configure the GSM commander and add or remove cellphone numbers for sms alerts

By adding the **ERL-10 Lightning Relay Module** system can now alert via sirens/stack lights and can also send sms's with the addition of a GSM Commander. Once unit is setup it can run completely automatically NO USER INTERVENTION REQUIRED.

Sms's limited to 16 or less numbers, additional sms charges will apply.

Configuration software provided to configure the Relay Module ERL-10/GSM Commander in order to create a complete standalone system.

Short range system is perfect for schools, mines, industry etc whereby system automatically sends out alerts and does not require onsite monitoring or intervention.

Siren can be triggered for 30 second alert along with flashing red led . Red led will remain flashing if danger still persists, once storm clears siren will trigger intermittently for 10 seconds (10s on-10s off-10s-on) and green led will then come on showing all clear and operational status of system. System can exclude certain hours or days such as a school that does not require alerts at nighttime or on weekends.

From experience a 10 to 12 km zone is adequate warning, but is easily adjusted if required.

Installation can be indoors (limited to 30-meter cable length to outdoor sensor). For remote standalone locations outdoors a weatherproof enclosure is required along with 220vac power point.

**Power is essential** to both systems so decent backups with 12 volt batteries and chargers or decent UPS systems will be required.

Our standard system comes with a 7 amp hour backup battery for 5 to 8 standby hours.