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medemTM

Maximizing Safety. Minimizing Risk.



Universal Gas Detection

Detectors

- Car Parks
- Garages & Bus Depots
- Food Production
- Agriculture
- Water Treatment
- Banks & Secure Buildings
- Manufacturing Plant
- Battery Stores
- Battery Backup & Charging Rooms

[**AGDSelite**]



Product Overview

The system comprises of a main control panel to which up to eight detectors of various types can be connected. All the alarm levels, types and timings are programmable within the system and these will be confirmed and recorded during the commissioning phase.

Relays (BMS)

There are potential free relay contacts available within the main panel to indicate a 'High & low' status, these can be used to switch a signal to a BMS or start up any mechanical ventilation.

Further 'Communication fault' (i.e. lost of comm's to a detector) and 'Power failure'. Relays are provided to monitor system health.

The AGDS-Elite gas detection system has been designed to be as flexible as possible.

Whether it's a simple installation requiring just one detector or a large distributed system with a mix of gas detector types, alarm settings and remote indications.

British Designed
and manufactured
by Medem™



Modular gas detection from 1-32 detectors.

Multiple relay options for fan control and BMS signalling.

Status and alarm logging.

10 year warranty | Confidence built-in

Expanded System

Extension and Relay Panels

In addition to the main panel further detectors and relay indications can be added to the system with additional 'Extension' and 'Relay' Panels.

You can connect up to three Extension Panels to a system each capable of accepting eight more detectors (for a maximum of thirty two) per individual system.

Each extension panel has the same relay options as the main panel, but these relate to the detectors connected to that individual extension panel allowing the area to be sectioned down into different zones and thus providing the option of controlling the ventilation accordingly.

The main panel and each extension panel can have their own additional programmable relay panels which can be used to indicate the status of individual detectors if require.

Multiple systems can then be interconnected to keep expanding the system as required.

Programmable Relay Panels

Optional relay panels can be connected to the main panel and each extender (one per panel).

Each relay panel has eight programmable relays. With these the status of individual detectors can be indicated as required.

Depending on the number of detectors and relay panels connected each detector could have one relay set to indicate status (either high, low or fault), or could have multiple relays set to indicate multiple conditions. There is also a 'double knock' relay to indicate if any two detectors on this panel (main or extender) enter a high alarm state.

Each Relay Panel has eight programmable relays and one 'double knock' relay.

Detector Calibration and Servicing

All detectors will be checked and calibrated during the commissioning by the Medem™ engineer.

All detectors will require servicing and calibration check every 12 months.

Medem™ engineers will be in contact to schedule a convenient time to carry this out. Certain installation environments will required more frequent checks.

A copy of the report will be provided to site and placed on record with Medem™ (UK) Ltd.

System Status and Detector Logging

System status interaction (system access, setting changes, etc.) are recorded and available to review on screen.

In addition a Medem™ engineer can download a 90 history of all detector readings, these can be plotted on to a graph and displayed as levels over time.

This can be extremely useful in understanding and diagnosing issues caused by environmental factors.

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