

# Plant Alarm System

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## HTM 2022 / 02-01

## Plant Alarm System **HTM 2022 / 02-01**



### Key features

- 1** It allows the monitoring of the status of the supply unit from 1 to 6 gases contemporary, giving up to 4 alarm conditions plus normal for each gas.

**Any service may be split into four individual displays to be used to bring signals, such as the common alarm output from Area alarms, to a central point or to any point where this information is required**

**Alarm system fault in accordance to HTM 2022 / 02-01 requirements**

**The battery reserve enables the system to remain in operation for up to 8 hours**

**Remote transmitters available on request**

### General Description

The Plant Alarm System is intended to be used as central indicator panel in order to display warning and alarm conditions for medical gas supply systems. It must be located in a position where there is continuous 24-hour occupation, such as the telephone switchboard room or the porter's lodge.

The Plant Alarm System is a multiplexed system using the MEDCON data transmission standard, a pulse width modulated signal, on 2 core interpanel wiring, capable of displaying up to 15 services, each consisting of up to 4 conditions plus normal

Any service may be split into four individual displays to be used to bring signals, such as the common alarm output from Area alarms, to a central point or to any point where this information is required

Signals from plants, manifolds or other monitored equipment are fed into the system via transmitters located adjacent to the equipment

The alarm is housed in a steel enclosure ( flush or surface mounting types are available ) with a bezel which houses an aluminium front plate covered by a PVC membrane

Within the enclosure are mounted the power supply with battery reserve, control board with lamps, selector switches etc. and transmitter, if fitted

The battery reserve enables the system to remain in operation for up to 8 hours

Designed to meet the requirements of:

- HTM 02-01 & HTM 2022 Medical Gas Pipeline Systems,
- C11 NHS Model Engineering Specification - Medical Gases
- BS EN ISO 7396-1 Pipeline system for compressed medical gases and vacuum
- 2004/108/EC The EMC Directive
- 2006/95/EC The Low Voltage Directive

### Technical Data

**COMPLYING TO** HTM 02-01, HTM 2022, ISO 7396-1, C11 NHS standards, 2004/108/EC The EMC Directive , 2006/95/EC The Low Voltage Directive

#### ELECTRICAL FEATURES

**POWER SUPPLY** 240 Volt - 1ph - 50/60 Hertz , fused at 3 amps.

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### MODELS

### PLANT ALARM SYSTEM

#### Surface mount model

- 1 gas, surface mount
- 2 gas, surface mount
- 3 gas, surface mount
- 4 gas, surface mount
- 5 gas, surface mount
- 6 gas, surface mount

#### Flush-mount model

- 1 gas, flush mount
- 2 gas, flush mount
- 3 gas, flush mount
- 4 gas, flush mount
- 5 gas, flush mount
- 6 gas, flush mount

### REMOTE TRANSMITTERS

#### External transmitters

- 1 gas
- 2 gas
- 3 gas
- 4 gas

#### Internal transmitters

- 1 gas
- 2 gas
- 3 gas
- 4 gas

Single RTX

