

TEMPERATURE ALARM SYSTEM

TYPE OTS

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OMICRON Temperature System OTS monitors the temperature from any number of temperature sensors mounted on any machinery or parts such as motors, pumps, tanks or process. Different sensor types and temperature ranges are available for both hazardous and non-hazardous installations.

The electrical sensor signals are connected to the electronic cabinet via zener barriers if required. The alarm panel has individual LED display and alarm status LEDs.

• The system fulfils the latest IMO and classification societies' rules and regulations.

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OMICRON Temperature System OTS is a micro controller based alarm and monitoring system. The system uses PT 100 elements with 4 - 20 mA transmitters or complete temperature transmitters with 4 - 20 mA signals. The system can be configured with any number, temperature range and combinations of sensors. The sensors are connected to zener barriers, if required, mounted in the electronic cabinet. The electronic cabinet is intended for mounting in a safe area and also contains the alarm panel, power supply and output relays. Each sensor has a temperature LED display and alarm status LEDs. Each channel has two adjustable processor controlled temperature alarm settings.

As standard are potential free output relay contacts for power failure, system failure and temperature alarms. The system can be equipped with a bridge remote alarm panel and can be connected to external computers via RS 485/422 serial lines.

Standard features:

- Individual LED display and status alarm LEDs.
- 2 Individual adjustable alarm levels.
- Zener barriers for haz. area mounted sensors included.
- Pot. free change-over output relay contacts for ext. alarms.
- Selectable temperature range.

Options:

- Bridge remote alarm panel.
- Combined gas, pressure or other sensor systems.
- Special function output relays.
- Analogue 4 - 20 mA slave output.
- RS 485/422 serial line output.

Specifications:

- Number of measuring points No limit
- Power supply 230/115 V AC Nom.
- Temperature display range -999 to 9999
- Alarm for loop failure Yes
- Individual temperature displays Yes
- Serial line communication RS 485/422
- Temperature accuracy +/- 1° C

