

S128NG & S129NG Automatic Monitoring Unit

Designed for Nuclear Environment



Principles

Designed for Nuclear environment, our S128NG & S129NG automatic monitoring units are the simplest way to perform condition monitoring of Diesel Safety Engine:

- Maintenance program can be scheduled
- Serious damages can be avoided
- Engine can be maintained to its optimum performances

Our S128 & S129 offer the monitoring of important analogue measuring such as: exhaust gas temperature, bearings temperature, water temperature, stator winding temperature, pressure, lubrication oil temperature, etc.

Key benefits

Designed in compliance with nuclear requirements, our S128NG & S129NG Monitoring Units are operating under seismic conditions and are designed to be in compliance with the Nuclear Power Plant life time. Our Units benefit from 30 years of CMR know-how in reciprocating nuclear market, especially safety diesel engine monitoring. Each unit is configured according to his particular application prior delivery and offer to the end user quick configuration modification possibilities using friendly front plate keyboard (alarm set points, alarm groups, output relays setting,...)

As an OEM Engine/Genset company, machinery manufacturer, nuclear engineering companies and after-market user, our S128NG & S129NG units provide a more elegant and robust monitoring solution for your applications.

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Specifications

General information:

- Analogue parameters monitoring unit microprocessor based
- Capacity: 32 analogue inputs (thermocouple, PT100, 4-20mA)
- Housing in stainless steel
- Operating temperature: +5°C / +55°C
- Power Supply: 24 Vvc (18 to 32v)
- Communication network: Modbus TCP/IP or Modbus RTU
- Two operating mode:
 - Permanent display of the last channel manually scanned
 - Automatic display of all the channels
- Dialogue with front plate keyboard: alarms acknowledgement and configuration modifications

Automatic Monitoring:

- One horn relay
- For each channel: 2 set points (high, very high / low, very low)
- For all the channels: 4 deviation / average monitoring groups
- 4 gradient monitoring groups
- 4 alarm group relays for S128 and 6 alarm group relays available for S129
- 4 inhibition group contact
- Self-monitoring fault relay (sensor failure, insulation fault, scanning fault, compensating probe fault)



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