

Temperature Monitoring Module Type ABS CA 442

The CA 442 is a temperature monitoring module for connection of 1-4 pumps with combined alarms (one alarm per pump) or for up to 4 separate alarms using one module per pump. CA 442 is an extension module to PC 441 and does not work stand alone.

The unit also has a separate 4 to 20 mA input for a vibration sensor that can be used when one module per pump is connected.

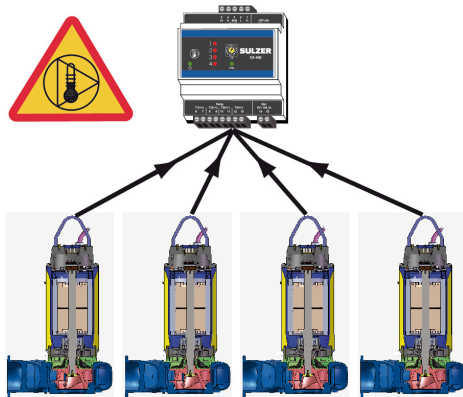
The device is to be connected to the PC 441 via a CAN bus interface. The CAN interface enables the possibility to mount the monitoring device in the cabinet or up to 250 meters away from the pump when using the same earth potential.

Features

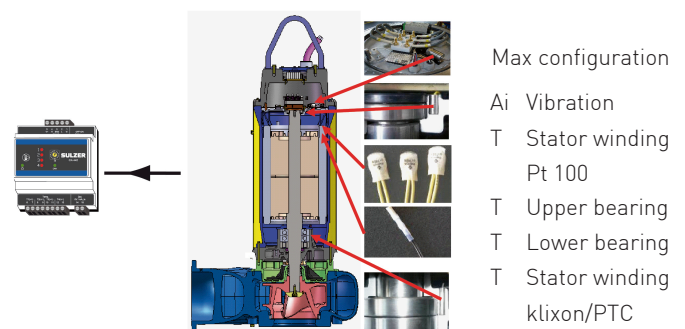
- Combined temperature monitoring of 1-4 pumps
- Advanced temperature monitoring of 1 pump
- Input for thermal switch (Klixon type), PTC or Pt 100 sensors
- When using PT100, the temperature can be visualized on the display
- Additional mA input for vibration monitoring
- Connection via plug in connectors
- DIN-rail mounted



Combined monitoring of 1-4 pumps using CA 442



Advanced monitoring of one pump using CA 442



- Max configuration
- Ai Vibration
- T Stator winding Pt 100
- T Upper bearing
- T Lower bearing
- T Stator winding klixon/PTC

Technical specifications

| Description | |
|-------------------------------|--|
| Ambient operation temperature | -20 to +50 °C [-4 to +122 °F] |
| Ambient storage temperature | -30 to +80 °C [-22 to +176 °F] |
| Degree of protection | IP 20 |
| Housing material | PPO and PC |
| Mounting | DIN Rail 35 mm |
| Dimension | HxWxD: 86 x 70 x 58 mm (3.39 x 2.76 x 2.28 inch) |
| Humidity | 0-95 % RH non condensing |
| Power supply | 9-34 VDC |
| Power consumption | < 2.0 W |
| Inputs | 4 nb, PTC or Pt100 1 nb, 0/4-20 mA input for vibration monitoring, adjustable 0.1 – 999.9 mm/s. |
| Communication | Field bus of CAN type, max 250 meter cable length using same earth potential. |

