

T500 ELITE BEARING TEMPERATURE MONITORING SYSTEM



T500 ELITE CONTROL UNIT

APPLICATION

The T500 Elite is a microprocessor-controlled unit, which is able to accept signals for two hot bearings in 32 zones (64 sensors). Continuous temperature monitoring is achieved, with temperature ranges from +16°C to +135°C, which is connected to the T500 Elite via an addressable temperature node.

This will enable an alarm and shutdown of the machine when hot bearings are detected. The control unit is housed in a self contained, wall mounted enclosure and the sensors are separate items for mounting on the bearings. The T500 Elite will operate from 115V to 230V AC or from 12V to 24V DC.

Uses industry standard RS485 (4 wire) communications link.

FEATURES

- Continuous temperature monitoring
- Preventative maintenance and alarm/shop condition signals
- Utilities NTC thermistor technology
- CSA/ATEX approved sensors
- Accepts up to 64 sensors
- RS485 communications link
- Addressable temperature nodes
- NTC temperature characteristic in the range +16°C to +135°C
- Optional relay interface
- Used with 'Hotbus' communications system
- Accessible to PC/PLC via the 'Gateway'
- CSA/NRTL/ATEX pending



PART NUMBERS / VOLTAGE

T5001V345CA - T500 Elite Control Unit - 110-240V AC, 12-24V DC

WDB10V3CA - NTC Sensor - Cable entry, Zone 20, Ex II 1DT125°C, 12V DC

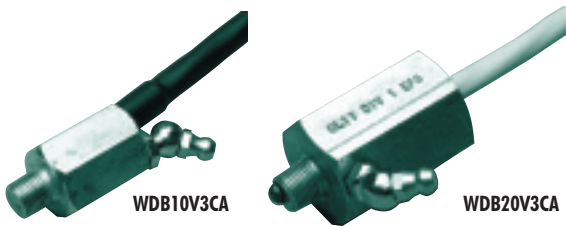
WDB20V3CA - NTC Sensor - Conduit entry, Zone 20, 12V DC

HOTBUS TN-1 - Hotbus Temperature Node - 2 inputs, 12V DC

OPTIONS

- R500 16V345FC Hot bus 16 channel relay unit
- R500 8V345FC Hot bus 8 channel relay unit
- AHIV1, 2, 3, 4

Detailed specification, wiring diagrams and installation/operating instructions available immediately upon request.



BEARING TEMPERATURE SENSORS