

T400N Elite - Hotswitch

BETTER BY DESIGN

T400N Elite - Hotswitch Bearing & Surface Temperature Monitor

APPLICATION

The T400N Elite - Hotswitch is a microprocessor controlled temperature monitor, which works in conjunction with NTC type bearing & surface temperature sensors to monitor up to 8 inputs. The unit can provide an alarm and automatic shutdown, on up to 2 machines, when a high bearing or surface temperature condition is detected.

METHOD OF OPERATION

Front panel LED's show the status of the bearing being monitored, and each bearing can be custom labeled for easy reference.

Internal alarm relay contacts can be used for machine alarm / shutdown control or direct input to a PLC. RS485 serial communications are included to provide data to a computer or PLC on a single multi-drop loop. An optional plugin module provides 8 relay contacts to produce discrete alarm outputs for each individual sensor.

Alarm muting can be performed at the panel or by an optional remote push button to silence external alarms. Testing can be activated at the panel, providing full system verification.

FEATURES

- ▶ Monitor up to 8 NTC Type Temperature Sensors
- ▶ 2 Separate Alarm and Stop Relays (Control 2 Machines)
- ▶ Short / Open Circuit Fail-safe Detection
- ▶ Status LED's Provide Quick Location of Sensor Alarms
- ▶ Programmable Trip Point: 110° - 180° F (10° Increments)
- ▶ Programmable Stop Delay: 0 - 140 Seconds (20 Sec. Increments)
- ▶ Test Feature for Simple System Testing

PART NUMBERS/ACCESSORIES

- | | |
|---------------|---|
| ▶ T4004NV46C | T400N Elite - Hotswitch (120 to 240 VAC or 24 VDC) |
| ▶ ADB20V3C/D2 | Adjustable Depth Bearing Temperature Sensor - 2 in. Probe |
| ▶ ADB20V3C/D3 | Adjustable Depth Bearing Temperature Sensor - 3 in. Probe |
| ▶ ADB20V3C | Adjustable Depth Bearing Temperature Sensor - 4 in. Probe |
| ▶ ADB20V3C/D6 | Adjustable Depth Bearing Temperature Sensor - 6 in. Probe |
| ▶ ADB20V3C/D8 | Adjustable Depth Bearing Temperature Sensor - 8 in. Probe |
| ▶ ADBT1 | Adjustable Depth Bearing Temperature Sensor Tester |
| ▶ WDB70V3C | Lug Style Surface Temperature Sensor |
| ▶ WDB20V3C | Bearing Temperature Sensor (Non-Adjustable Probe) |

NOTE: Not All NTC Type Temperature Sensors Listed



ATEX Approved
Versions Available



ADB
Bearing
Sensor



ADBT1
ADB Bearing
Sensor Tester
(Optional)

Please refer to instruction manual for correct installation.
Information subject to change or correction. May 2013

T400N Elite - Hotswitch

BETTER BY DESIGN



TECHNICAL SPECIFICATIONS

T400N Elite - Hotswitch

T4004NV46C	
Input Supply Voltage	120 to 240 VAC or 24 VDC
Alarm Relay Contacts	Zone 1 - 1 Pole Normally Open - 8 A @ 250 VAC Zone 2 - 1 Pole Normally Open - 8 A @ 250 VAC
Stop Relay Contacts	Zone 1 - 1 Pole Normally Open - 8 A @ 250 VAC Zone 2 - 1 Pole Normally Open - 8 A @ 250 VAC
Sensor Inputs	Up to 8 NTC Thermistors
Sensor Supply	24 VDC - 100 mA Maximum
Terminals	Power: 4 mm ² - 14 AWG Maximum Signals: 2.5 mm ² - 16 AWG Maximum
Dimensions (H x W x D)	9.7 x 7.4 x 4 (inches) / 246 x 188 x 102 (mm)
Fixing Centres (H x W)	8.75 x 4 (inches) / 222 x 102 (mm)
Cable Entry	2 Holes 11/8 in. Diameter (28 mm) - 3/4 in. Conduit
Weight	3 lbs / 1.3 Kg
LED Status Indicators	Green LED - Power Green LED - Hot Bearing #1 Through #8 Red LED - Alarm
Push Buttons	Mute Test
Approvals	CSA Class II Div. 2, Groups F & G (CSA Class II Div. 1 - Available)