



4B Elevator components limited. Bearing Temperature Sensor.

This device can be used with the Watchdog *Elite*, T400 *Elite*, T400 Hotdog or HotBus temperature node to detect when a bearing has exceeded the expected temperature. A choice of two body types and 9 temperature ranges are available as shown in the tables below.

Brass body version.

Part No.	Type	Temperature	Cable Colour
WDB10V3CA	NTC	125°C/257°F	BLUE
WDB11V3CA	PTC	50°C/122°F	RED
WDB12V3CA	PTC	60°C/140°F	RED
WDB13V3CA	PTC	70°C/158°F	RED
WDB14V3CA	PTC	80°C/176°F	RED
WDB15V3CA	PTC	90°C/194°F	RED
WDB16V3CA	PTC	100°C/212°F	RED
WDB17V3CA	PTC	110°C/230°F	RED
WDB18V3CA	PTC	120°C/248°F	RED

Steel body version

Part No.	Type	Temperature	Cable Colour
WDB20V3CA	NTC	125°C/257°F	BLUE
WDB21V3CA	PTC	50°C/122°F	RED
WDB22V3CA	PTC	60°C/140°F	RED
WDB23V3CA	PTC	70°C/158°F	RED
WDB24V3CA	PTC	80°C/176°F	RED
WDB25V3CA	PTC	90°C/194°F	RED
WDB26V3CA	PTC	100°C/212°F	RED
WDB27V3CA	PTC	110°C/230°F	RED
WDB28V3CA	PTC	120°C/248°F	RED

Each sensor is fitted with a grease nipple to allow lubrication of the bearing without the need for removal of the sensor. The sensor is supplied with a two-meter cable attached ready for connection either directly to a monitoring device or to a junction box. The cable has two cores clear/white and yellow. The connections are not polarity sensitive therefore special connection requirements are eliminated. It is advisable however to connect all sensors in an identical manner, this will reduce the risk of shorting. Please refer to the relevant device manual for detailed connection information.

Each sensor typically has the following electrical specification (using the 80°C/176°F version).

Resistance at 60°C	-	250 Ohms Max.
Resistance at 100°C	-	2000 Ohms Max.
Sensing Voltage	-	12v DC Typical.
	-	24v DC Max.
Maximum Current.	-	20ma
Fixing Thread.	-	1/8" NPT.
Cable	-	2 Core + Drain wire. 2Mtr. Long.
Conduit Entry (steel body)	-	½" NPT.

Protection.

Ex II 1 D T_{xx}°C BAS01 ATEX 1191X
CSA Class II Division 1

T_{xx}°C is replaced by the actual maximum temperature of the chosen sensor.

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