

Authority Quality Manager
Document TCISEXEDSTA
Revision F
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Signed

Temperature Controls Pty Ltd

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Ex de Ex tD A21 Certified Spring Loaded Temperature Probe Assembly

Installation Instructions for Model TC20SPRTA

This Temperature Probe Assembly carries Test Safe, Increased Safety, Flameproof or Protection by Enclosure tD in Combustible dust Certification in Hazardous Areas.

Ex de IIC T6 IP66 or Ex tD A21 T6 IP66 Certificate No IECEx TSA 09.0045X

1. Only approved components shall be connected to this temperature assembly.
2. Check that O ring is correctly fitted to ensure sealing integrity is maintained.
3. Maximum Voltage and power not to exceed Certificate of Conformity approval 40 Volt 3 Watt
4. Ensure all wiring insulation and connections are correct and undamaged.
5. Check earthing connections are tight and corrosion free. Note: Internal earth bonding point is located under terminal block and should be connected prior to fitting / wiring terminal block.
6. Ensure cap is secure and locking screw tight.
7. Are there any obvious signs of unauthorised modifications or additions that invalidate certification?
8. Any spring loaded Ex ed assembly shall be fitted with a thermowell having an ingress protection of IP66 minimum.
9. Any fixed Ex ed assembly shall be adequately guarded to protect it from impact damage when installed.
10. There are no serviceable parts for this temperature assembly, for repair or replacement contact the manufacturer.
11. The T temperature rating applied to the temperature assembly is the maximum surface temperature the sensor shall be subjected to. If the temperature sensor is connected to an approved enclosure suitable lagging extensions as per Drawing 6682 shall be used to ensure the enclosure does not exceed its T6 rating.

This document shall be supplied with any Ex ed Spring Loaded Temperature assembly supplied to a customer.

Certification Officer

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