

# Instructions: TC2062-TC2065 Non-Sparking Temperature Detectors

 II 3 G Ex nA IIC Gc U

Document 2086978 Rev. A

## 1. Description

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This temperature detector is designed to be installed in various locations.

- Operating temperature range -129°C to 204°C.
- Models are available with duplex or triplex thermocouple elements.

## 2. Attestation of Conformity

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This Attestation of Conformity is issued under the sole responsibility of the manufacturer.

Temperature detector type: TC2062, TC2063, TC2064, TC2065.

The product defined above is in conformity with the following relevant legislation:

ATEX Directive 2014/34/EU

EN 60079-0:2012+A11:2013 Explosive atmospheres - Part 0: Equipment - General requirements

EN 60079-15:2010 Explosive atmospheres - Part 15: Equipment protection by type of protection “n”

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## 3. Installation Instructions

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The thermocouple probe is designed to be installed by threading the bayonet compression fitting into the process (typically a bearing). The probe must be installed in a dry bore.

The included fluid seal fitting is intended to seal around the tubing covered armor and prevent or reduce oil seepage past the housing.

Care should be taken to prevent the copper tip end from being immersed in conductive liquids. The tip of the probe must be protected against mechanical danger. Installation within a bearing or other rigid bore completes the enclosure and provides sufficient protection from mechanical impact.

## 4. Special Conditions of Use

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Maximum voltage:  $\leq 30$  V

## 5. Electrical Data

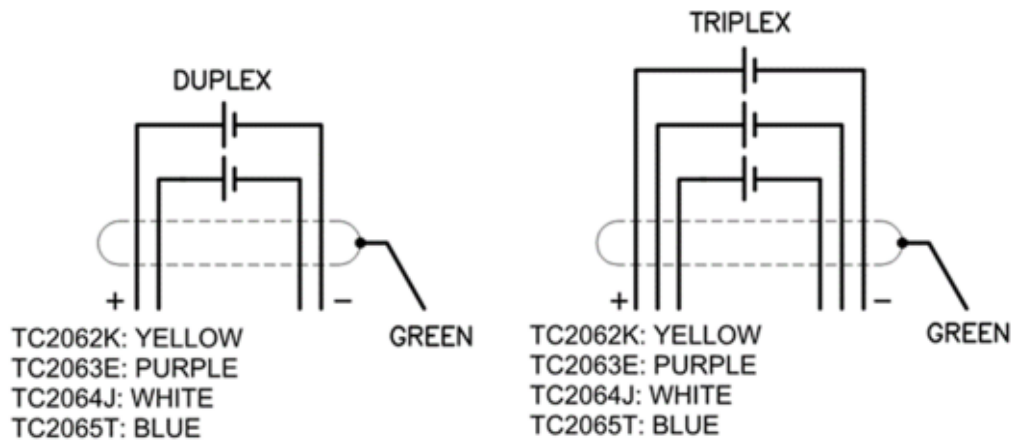
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Maximum voltage:  $\leq 30$  V

## 6. Electrical Connections

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### SCHEMATIC DIAGRAMS



## 7. Marking Example

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<p><b>MINCO</b> Minneapolis, MN USA Model: TC2062 Lot batch: 123456-*-*-001 ⊕ II 3 G Ex nA IIC Gc U</p>
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