

# Instructions: S213522 Non-Sparking Temperature Detector

 II 3 G Ex nA IIC Gc U

Document 1861012 Rev. A

## 1. Description

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Resistance temperature detector designed to be installed in babbitt style bearing shoes.  
Operating temperature range is -50°C to 200°C.

## 2. Attestation of Conformity

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

Temperature detector type: S213522.

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 installation of the temperature detector in a bearing completes the enclosure and provides the protection from mechanical impact.

A separate installation instruction, EI 184, *Installing Case Style "C" and "D" Sensors in Bearing Shoes*, is included with each shipment. If lost, a copy can be downloaded from the Minco website ([www.minco.com](http://www.minco.com)).

NOTE: Where reference is made to bearing shoes, the above procedure can be used with other types of bearings.

## 4. Special Conditions of Use

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Maximum voltage:  $\leq 30$  V

## 5. Electrical Data

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Measuring current:  $\leq 1$  mA

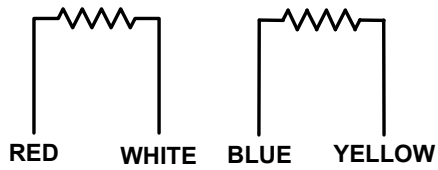
Power (under fault conditions):  $\leq 0.45$  W

## 6. Electrical Connections

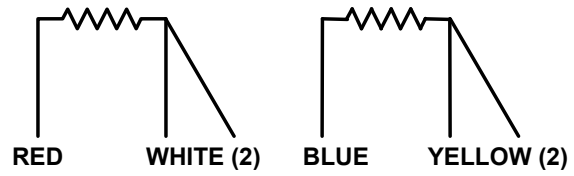
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### Dual Element Sensors

2-Leads per element



3-leads per element



## 7. Marking Example

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<p><b>MINCO</b> Minneapolis, MN USA Model: S213522 Lot batch: 123456-*-*001 ⊕ II 3 G Ex nA IIC Gc U</p>
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