

**Quick connect temperature probe with a range of process connections.**

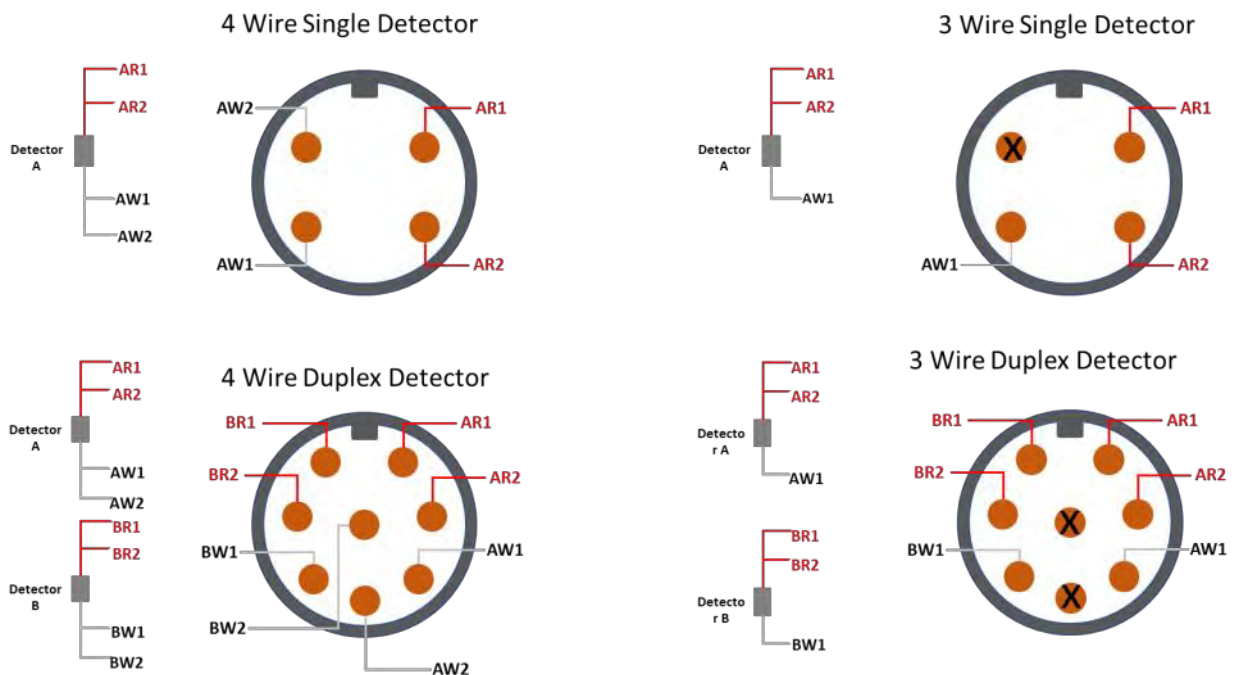
- Probe can be easily disconnected from the extension cables, for example when removing for periodic calibration or simple replacement, whilst leaving the extension cables in place.
- Straight or 90° mating connectors
- Available with extension leads.



<b>Specification:</b>	
<b>PROBE WITH INTEGRAL PLUG</b>	
<b>PROBE DIMENSIONS</b>	Diameter : Metric: 3.0mm, 4.0mm, 4.5mm, 5.0mm, 6.0mm Imperial: 1/8", 3/16", 1/4"  Length: 50mm upwards
<b>PROBE AND BARREL MATERIAL</b>	316/316L stainless steel
<b>DETECTOR</b>	Single or Duplex (3, 4 wire) PT100 or PT1000 Class 'A', 'AA' to BS EN 60751:2008. 1/10 DIN also available.
<b>CONNECTOR</b>	Integral 4 pin / 8 pin M12 A coded male connector housed in st st barrel and welded to probe.
<b>MOUNTING</b>	Plain or with various mounting threads, BSPP, BSPT
<b>TRANSMITTER</b>	Probe with single detector is available with an optional integral temperature transmitter inside barrel , for a 4-20mA output.
<b>LEADS WITH FEMALE CONNECTOR</b>	
<b>CONNECTOR</b>	Mating M12 female. 90° or in line. Lockable
<b>LEADS</b>	Silver plated copper conductors, PFA insulated with a PFA jacket. Any length.  Optional 316 stainless steel flexible conduit for mechanical protection.
<b>OPERATING RANGE</b>	Probe: -50 to +250°C Connector: 85°C max

**Datasheet : 012**

## M12 Connector Wiring Diagram



## Datasheet : 012

Please download PDF and fill in the boxes. Return form to [sales@thermal-detection.com](mailto:sales@thermal-detection.com) or fax to +44 1642 618307

Name: \_\_\_\_\_ Email: \_\_\_\_\_  
 Organisation: \_\_\_\_\_ Tel: \_\_\_\_\_  
 Country \_\_\_\_\_

**Section 1 - unit dimensions (in mm)**



**Section 2 - Sensor Configuration**

	PT100 Type	
<b>Sensor Number</b>	<b>Type</b>	<b>Wires</b>
Single	Class 'A'	2 wire
Duplex	1/3 DIN	3 wire
	1/10 DIN	4 wire
		Transmitter?    No Transmitter?
		Min / Max Range °C

**Section 3 - Optional Features (in mm)**

Reduced Probe Tip

Bend in Probe

Process Connection

- Fixed Thread
- Compression Fitting
- Tri-Clover
- Thread / Tri-clover type and size

Chisel Pointed Tip

**Section 4 - Application Details**

Number of probes required	Additional information
Industry Type	