



## Accessories Overview



### Talentum Flame Sensor Test Unit 16091

The Flame Sensor Test Kit is a tool which is designed to test flame detectors without the need of real flames. This test unit has been designed to generate a wide range of optical output signals. Flame sensors for fire detection and flame monitoring applications can be activated and tested.

#### Key Features:

- Mimics the characteristics of real flames
- Wide Spectral Output UV, Visible, Near IR, Mid-IR
- Tests many flame sensors types UV, UV/IR, UV/IR2, IR3, IR2, IR
- Portable with Rechargeable NiCd battery pack and charger
- Selectable Optical Output Type - Constant illumination, Regular flashing sources (range of frequencies), Irregular flickering sources (resembling flames)
- Selectable optical output intensity with LED bar graph indication
- Range typically 3 metres and beyond
- 30 Second timeout on each test
- Auxiliary 24Vdc supply for testing

#### Functions:

Press 1 for constant illumination, 2 for regular flashing or 3 for irregular flicker. Entering a single digit will illuminate the output to 100% when on. The signal bar graph LED's will display the signal type selected. To activate the main output sources the \* button must be held down.

Most optical flame sensors respond to Ultra Violet (UV) and or Infra Red (IR) radiation emitted from flames during combustion. Many sensors also use flame flicker techniques to distinguish between flames and other optical false sources. The test unit simulates the flickering flame signal by modulating the output of a filament lamp. the thermal time constant of a filament lamp prevents the generation of a perfect flame flicker signal. The slow response of a filament lamp will mean that some flame sensors may require more time to activate under test than they would with a real flame.



#### **Talentum Stainless Steel Adjustable Mounting Bracket 07127**

The 007127 is an adjustable mounting bracket for use with Talentum flame detectors. Grade 316 is the standard molybdenum-bearing grade, second in importance to 304 amongst the austenitic stainless steels. The molybdenum gives 316 better overall corrosion resistant properties than Grade 304, particularly higher resistance to pitting and crevice corrosion in chloride environments. It has excellent forming and welding characteristics. It is readily brake or roll formed into a variety of parts for applications in the industrial, architectural, and transportation fields. Grade 316 also has outstanding welding characteristics. Post-weld annealing is not required when welding thin sections

#### **Key Features:**

- Stainless Steel (12 SWG)
- Adjustable – Horizontal & Down by 45°– Left or Right by  $\pm 45^\circ$
- Mounts on Walls or Unistru



**Talentum 2 Hole Mounting Flange Kit 12564**

2-hole mounting flange kit for use with bayonet mount 12290.

**Key Features:**

- 1" BSP/NPT (no window)



**Talentum 4 Hole Mounting Flange Kit 12561**

4-Hole mounting flange with 1" BSP / NPT.

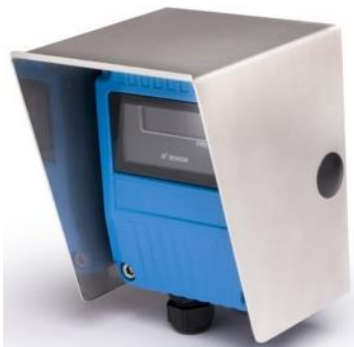
**Key Features:**

- Includes Pyrex window 5.5mm thick
- High temperature gasket and fixings
- For use with bayonet mount 12290



**Talentum Bayonet Mount 1" BSP / NPT 12290**

Bayonet mount 1" BSP/NPT in plated steel.



**Talentum Stainless Steel Weather Shield – 12545**

Stainless steel weather resistant shield for use with Talentum fire detectors<sup>†</sup>.

**Key Features:**

- Stainless Steel
- Protection From: Rain, Sun, Snow, Dust & Heat
- Mounts on Talentum Adjustable Bracket Part Number 007127



**Talentum Stainless Steel Weather & Dust Shield for Flameproof Flame Detector 07279**

**Key Features:**

- Stainless Steel

**Protects from:**

- Snow
- Rain
- Heat
- Dust
- Sun

Mounts on Talentum adjustable bracket 07127



**Talentum Air Purge Adaptor for 2-Hole Flange Kit 12543**

1/4" BSP air inlet to keep viewing window clear from heavy dust contamination. Designed for use with the 2-hole mount 12564.



#### **Talentum Air Purge Adaptor for 4-Hole Flange Kit 12554**

1/4" BSP air inlet to keep viewing window clear from heavy dust contamination. The unit has been designed for use with the 4-hole mounting flange kit.



#### **Talentum Air Purge for Exd Housing 12555**

Whilst the IR2 and IR3 types of Flame Detector can still work with contamination (from dust or dirt for example) on the sensor window, their working range and sensitivity can be reduced. Cleaning the Flame Detector, if it is high off the ground, may be difficult and or expensive, this is where the Flame Detector Air Purge kit comes in.

By connecting an Air Line or Compressed Air Cylinder to the Air Purge hose, the pressurized air can be used to clean the Flame Detector's sensor window. This can be done as and when required, depending of the levels of contamination on the site to keep the Flame Detector working at its maximum capability.



### Talentum Air Purge for Standard Housing 12556

Whilst the IR2 and IR3 types of Flame Detector can still work with contamination (from dust or dirt for example) on the sensor window, their working range and sensitivity can be reduced. Cleaning the Flame Detector, if it is high off the ground, may be difficult and or expensive, this is where the Flame Detector Air Purge kit comes in.

By connecting an Air Line or Compressed Air Cylinder to the Air Purge hose, the pressurized air can be used to clean the Flame Detector's sensor window. This can be done as and when required, depending of the levels of contamination on the site to keep the Flame Detector working at its maximum capability.

For more information on these products, please contact us:



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