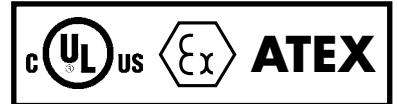


# HEAT DETECTOR

## Hazardous Locations, Weatherproof

### HD1 Range



*UL Listed version shown (optional guard)*

## Introduction

The MEDC-Hawco heat detector has been designed for use in hazardous environments. These units are suitable for fire alarm and/or suppression systems in offshore and onshore applications including paint spray booths, flammable material stores, turbine rooms, extract ductwork and other hazardous areas throughout the oil & gas, petrochemical and process industries.

Comprising a Fenwal rate-compensated detector with all-stainless steel external construction, mounted to a JB10 corrosion-free GRP enclosure. The contact in the detector CLOSSES at alarm temperature.

To select appropriate temperature setting see specification on reverse.

- ★ UL Listed for USA and Canada  
– Class I, Div. 2, Groups A-D.
- ★ ATEX approved.
- ★ NEMA 4x & 6, IP66 & IP67.
- ★ Certified temperature:  
–4°F to +131°F.  
–20°C to +55°C.
- ★ Stainless steel probe.
- ★ Detector temperature settings:  
140°F to 725°F (60°C to 385°C).
- ★ GRP enclosure.
- ★ Optional guard.

MEDC Ltd, Colliery Road,  
Pinxton, Nottingham NG16 6JF, UK.  
Tel: +44 (0)1773 864100  
Fax: +44 (0)1773 582800

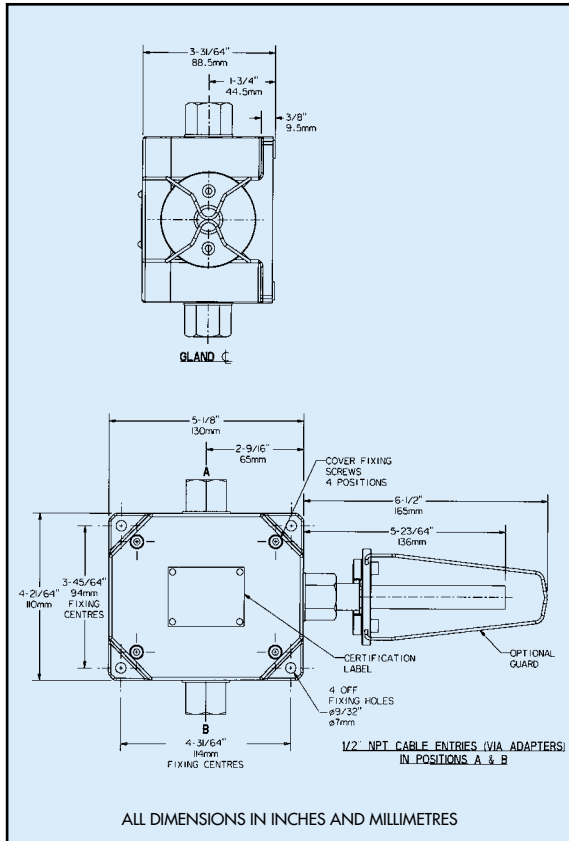
MEDC International, 5829 West Sam Houston Parkway,  
North, Suite 1005, Houston, Texas 77041, USA.  
Tel: +1 (713) 937 9772  
Fax: +1 (713) 937 9773

MEDC Norway, Auglaendsmyraa 6,  
4016, Stavanger, Norge.  
Tel: +47 913 92 289  
Fax: +47 914 46 030

Sales Enq. Fax: +44 (0)1773 582830 Sales Orders Fax: +44 (0)1773 582832  
E-Mail: [sales@medc.com](mailto:sales@medc.com) Web: [www.medc.com](http://www.medc.com)



6DSUS24/C



## Specification

Certification:

UL Listed for USA and Canada:  
– Class I, Div. 2, Groups A, B, C & D.  
UL Listing No. E252920, E254077 (600 + 725 versions).  
ATEX Approved: CENELEC EN50014, 19 & 28.  
EExia IIC T6 (T4 with diodes/resistors), Cert. No. Baseefa 03ATEX0427.  
EExem II T6, Cert. No. Baseefa 03ATEX0428.

Material:

Detector: 316 stainless steel  
Enclosure: GRP (anti-static).  
Stainless steel cover screws.  
Optional Guard: 316 stainless steel.

Finish:

Detector: Sand blasted.  
Enclosures: Self coloured black or epoxy painted to customer's specification.

Weight:

2.4lbs (1.1kg).

Certified:

–4°F to +131°F.

Temperature:

–20°C to +55°C.

Ingress Protection:

NEMA 4x & 6. IP66 & IP67.

Operation:

The detector contact is normally open and CLOSES at alarm temperature.

Listed Temperature Settings:

To select appropriate temperature settings, choose detector at 100°F (38°C) above maximum ambient temperature.

Temperature Setting		Tolerance		Colour Code Detector Tip
(°F)	(°C)	(°F)	(°C)	
140	60	+7/-8	±4	Black
160	71	+7/-8	±4	Black
190	88	+7/-8	±4	White
225	107	+7/-8	±4	White
275	135	±10	±6	Blue
325	163	±10	±6	Red
360	182	±10	±6	Red
450	232	±15	±8	Green
600	316	±20	±11	Orange
725	385	±25	±14	Orange

Contact Rating:

125V a.c. – 5A, 125V d.c. – 0.5A, 48V d.c. – 1A, 30V – 300mA.

Terminals:

6 x 12 AWG.

Labels:

Optional stainless steel tag and duty labels.

Cable Entries:

2 x 1/2" NPT (via supplied adaptors).

Resistor:

Series & EOL resistors (maximum total 2) minimum value (each) 470Ω.

## Ordering Requirements

The following code is designed to help in the selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

Model	Certification/Type	Temp. Settings	Options	Enclosure Finish																																																				
<div>HD1</div>	<div>ULU</div>	<div></div>	<div></div>	<div></div>																																																				
To order ATEX approved versions refer to European Data Sheet.		<table><tr><th>Temp °F</th><th>Code</th></tr><tr><td>140</td><td>140</td></tr><tr><td>160</td><td>160</td></tr><tr><td>190</td><td>190</td></tr><tr><td>225</td><td>225</td></tr><tr><td>275</td><td>275</td></tr><tr><td>325</td><td>325</td></tr><tr><td>360</td><td>360</td></tr><tr><td>450</td><td>450</td></tr><tr><td>600</td><td>600</td></tr><tr><td>725</td><td>725</td></tr></table>	Temp °F	Code	140	140	160	160	190	190	225	225	275	275	325	325	360	360	450	450	600	600	725	725	<table><tr><th>Option</th><th>Code</th></tr><tr><td>Duty Label</td><td>D</td></tr><tr><td>Tag Label</td><td>T</td></tr><tr><td>Guard</td><td>G</td></tr><tr><td>Resistor EOL</td><td>E</td></tr><tr><td>Resistor Series</td><td>S</td></tr><tr><td>Blanking Plug</td><td>P</td></tr><tr><td>None</td><td>N</td></tr></table>	Option	Code	Duty Label	D	Tag Label	T	Guard	G	Resistor EOL	E	Resistor Series	S	Blanking Plug	P	None	N	<table><tr><th>Finish</th><th>Code</th></tr><tr><td>Natural Black</td><td>N</td></tr><tr><td>Grey</td><td>G</td></tr><tr><td>Red</td><td>R</td></tr><tr><td>Blue</td><td>B</td></tr><tr><td>Yellow</td><td>Y</td></tr><tr><td>Special Finish</td><td>S</td></tr></table>	Finish	Code	Natural Black	N	Grey	G	Red	R	Blue	B	Yellow	Y	Special Finish	S
Temp °F	Code																																																							
140	140																																																							
160	160																																																							
190	190																																																							
225	225																																																							
275	275																																																							
325	325																																																							
360	360																																																							
450	450																																																							
600	600																																																							
725	725																																																							
Option	Code																																																							
Duty Label	D																																																							
Tag Label	T																																																							
Guard	G																																																							
Resistor EOL	E																																																							
Resistor Series	S																																																							
Blanking Plug	P																																																							
None	N																																																							
Finish	Code																																																							
Natural Black	N																																																							
Grey	G																																																							
Red	R																																																							
Blue	B																																																							
Yellow	Y																																																							
Special Finish	S																																																							



All the above specifications, dimensions, weights and tolerances are nominal (typical) and MEDC reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.