

# Electronic Explosion-Proof Room Thermostat For Hazardous Locations

C €0518 © II 2G Ex db IIB+H<sub>2</sub> T6 Gb (ATEX) Ex db IIB+H<sub>2</sub> T6 Gb (IECEx) 1ExdIIBT6 /H<sub>2</sub> (EAC Ex) -50°C ≤ T amb ≤ +40°C, IP66 (Gas Atmosphere Certified for ATEX / IECEx / EAC Ex Zone 1 and 2)

www.HazlocHeaters.com

For hazardous-location air temperature control rely on the *Hazloc Heaters™*XET1 *ExCaliber™* series of electronic explosion-proof thermostats for the most dependable, accurate, robust and trouble-free service available.

#### Features & benefits include:

- Bolted, removable cover provides instant access for installation and servicing.
- Dial locking screw prevents unwanted adjustments.
- Aluminum and 304 stainless steel construction with no exposed copper or brass provides suitability for H<sub>2</sub>S environments.
- · IP66 rating for moisture/dust protection.
- · CFC & mercury free, no leveling required.
- Contact-free switching mechanism is not susceptible to wear.
- Fast-acting, accurate, reliable electronic temperature sensor, with protective shield, is unaffected by altitude.
- Completely sealed design is ideal for dusty environments.
- Vibration resistant design prevents set-point drift
- Two (3/4" NPT) openings for easy field wiring (includes one 3/4" plug).
- · Third party impact testing ensures durability.
- Non-orientation sensitivity allows for mounting in any position.
- Low profile design allows easy access in confined spaces.
- EMC compliance guarantees no nuisance tripping.

### **Typical Applications:**

Unit heaters & convection heaters

#### **Protection Method:**

ATEX/IECEx:

General requirements IEC/EN 60079-0 Flameproof IEC/EN 60079-1 Dust ignition proof IEC/EN 60079-31

EAC Ex:

Hazardous location TR CU 012/2011 EMC TR CU 020/2011

• Ingress protection: IEC 60529

The XET1 electronic thermostat is also available as a built-in option on all sizes of *Hazloc Heaters*™ AEU1 explosion-proof electric air heaters.



Dial locking screw



# Specifications: (heating applications only)

Temperature adjustment range:  $5^{\circ}$ C to  $25^{\circ}$ C ( $40^{\circ}$ F to  $80^{\circ}$ F)

Temperature differential:  $+/- 1^{\circ}$ C from set point

Operating limits:  $-50^{\circ}$ C  $\le T$  amb  $\le +40^{\circ}$ C

Storage limits:  $-50^{\circ}$ C to  $+60^{\circ}$ C

Switching: Electronic Field wiring openings: Two 3/4" NPT (includes one 3/4" plug)

IP rating: IP66
Net weight: 1.4 Kg
Ship weight: 1.5 Kg

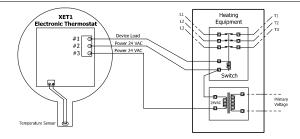
Shipping dimensions: 12.7 cm x 12.7 cm x 17.8 cm

#### **Electrical rating:**

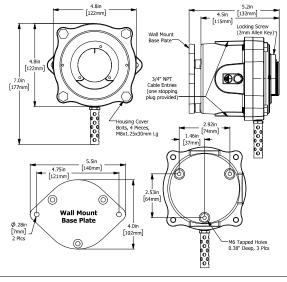
24VAC 50/60Hz; 1 Amp max continuous

Model: XET1-1-E-A

# Wiring diagram: 24VAC required



# **Physical dimensions:**



# Limited 36-Month Warranty

Hazloc Heaters™ warrants all XET1 ExCaliber™ series of electronic explosion-proof thermostats against defects in materials and workmanship under normal conditions of use for a period of thirty-six (36) months from date of purchase based on the following terms:

- 1. The thermostat must not be modified in any way.
- 2. The thermostat must be stored, installed and used only in accordance with the owner's manual and attached data plate information.
- The complete thermostat may be returned to our manufacturing plant for repair or replacement (at our discretion), freight charges prepaid.
- Contamination by dirt, dust, etc. or corrosion will not be considered as defects.
- 5. This warranty shall be limited to the actual equipment involved and, under no circumstances, shall include or extend to installation or removal costs, or to consequential damages or losses.



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The information contained in this brochure has been carefully checked and verified for accuracy. Specifications subject to change without notice