



Hazloc Heaters™

Safe heat when you need it!



**24VAC required
For heating
applications only**

EX SERIES
Caliber™

XET1-1-W-N-A

Electronic Explosion-Proof Room Thermostat For Hazardous Locations

Class I, Division 1 & 2, Groups B, C & D
Class II, Division 1, Groups E, F & G
Class II, Division 2, Groups F & G; Class III; T6

Class I, Zone 1, Ex db, Groups IIA, IIB+H₂, T6, Gb
Class I, Zone 2, Ex dc, Groups IIA, IIB+H₂, T6, Gc
Class I, Zone 1, AEx db, Groups IIA, IIB+H₂, T6, Gb
Class I, Zone 2, AEx dc, Groups IIA, IIB+H₂, T6, Gc
Class II, Zone 21, Ex tb, Groups IIIA, IIIB & IIIC, T85°C, Db
Class II, Zone 22, Ex tc, Groups IIIA, IIIB & IIIC, T85°C, Dc
Class II, Zone 21, AEx tb, Groups IIIA, IIIB & IIIC, T85°C, Db
Class II, Zone 22, AEx tc, Groups IIIA, IIIB & IIIC, T85°C, Dc

**Suitable for
Hydrogen gas
environments.**

-50°C ≤ T amb ≤ +40°C, IP66, Type 4

www.HazlocHeaters.com

For hazardous-location air temperature control rely on the **Hazloc Heaters™ XET 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 H₂S environments.
- IP66/Type 4 ratings 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:

- Flameproof: CSA 22.2 No. 30
UL 1203
CSA/UL 60079-1
- Dust ignition proof: CSA 22.2 No. 25
UL 1203
CSA/UL 60079-31
- Ingress protection: IEC 60529
(IP66/Type 4) CSA 22.2 No. 94
UL 50

The XET is available as a built-in option on all sizes of Hazloc Heaters™ XEU1 explosion-proof electric air heaters with the 24V control voltage option.



Dial locking screw



Specifications: (heating applications only)

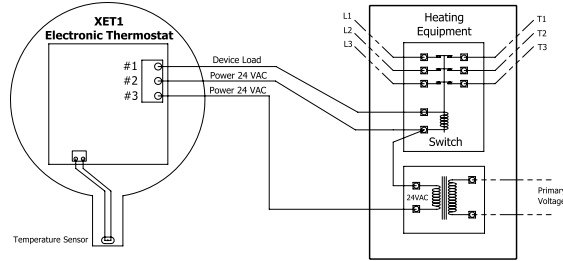
Temperature adjustment range: 5°C to 25°C (40°F to 80°F)
 Temperature differential: +/- 1°C (1.8°F) from set point
 Operating limits: -50°C (58°F) ≤ T amb ≤ +40°C (104°F)
 Storage limits: -50°C to +60°C (-58°F to +140°F)
 Switching: Electronic
 Field wiring openings: Two 3/4" NPT (includes one 3/4" plug)
 Ingress protection: IP66/Type 4
 Net weight: 1.7 Kg (3.7 Lbs)
 Ship weight: 1.8 Kg (3.9 Lbs)
 Shipping dimensions: 12.7 cm x 12.7 cm x 17.8 cm (5" x 5" x 7")

Electrical rating:

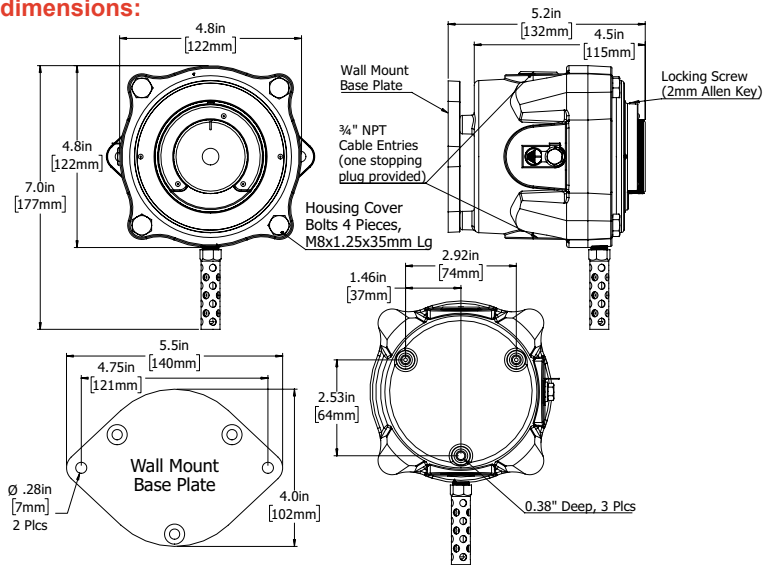
24VAC 50/60Hz; 1 Amp max continuous
 Pilot Duty: 24VA @ 24VAC (120VA Inrush)

Model: XET1-1-W-N-A

Wiring diagram: 24VAC required



Physical dimensions:



Limited 36-Month Warranty

Hazloc Heaters™ warrants all **XET 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:

- The thermostat must not be modified in any way.
- 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.
- 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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