FXE Range of Fixed Duty Compact Flameproof Enclosure / Cabinet Heaters

EXHEAT Industrial's original range of FXE enclosure / cabinet heaters provides an array of fixed duty heating solutions for smaller enclosures / cabinets. EXHEAT Industrial also offers a range of FX fixed duty and self-regulating heaters, as well as the FXS bespoke self-regulating models that can be custom engineered to suit the customer's space restraints or duty requirements.

The FX range also includes the FXT control thermostats, available in both inline or remote designs. These thermostats provide frost protection, condensation prevention and temperature maintenance, and both heaters and thermostats are certified for use in hazardous areas where the atmosphere is classified as Zone 1 or 2 (Gas groups IIA, IIB, IIC) and Zone 21 or 22 (Dust groups IIIA, IIIB, IIIC).

Certification	ATEX / IECEx Ⓔ II 2 G D
	Ex d IIC T4 to T3 Gb
	Ex tb IIIC T135°C to T200°C Db
Ambient	-50°C with options up to +80°C
Cabling	1.5m standard
IP Rating	IP66
Mounting	Wall or rail mounted vertically using the supplied mounting kit
Output	30 to 100W
Protection	Heater: Flameproof
	Thermostat: Flameproof or encapsulated
T Class	T4 (T135°C) and T3 (T200°C)
Voltage	110 to 254VAC

TYPICAL APPLICATIONS

Condensation prevention	Frost protection
Control / monitoring panels	Fire hose cabinets
Control valve housings	Instrumentation cabinets
Generators	Motor enclosures / cabinets
Manifolds	Valve blocks
Acoustic enclosures	

FXE FIXED DUTY COMPACT FLAMEPROOF ENCLOSURE / CABINET HEATERS

The FXE range of enclosure / cabinet heaters utilise a hard anodised, extruded aluminium profile, making it suitable for offshore applications, and includes a fixed duty cartridge type heating element in order to provide a compact heating solution for small enclosures / cabinets.

Fixed duty heating elements produce a constant power output regardless of the ambient temperature, giving a specific temperature rise above the ambient. EXHEAT Industrial's FXE enclosure / cabinet heaters have been certified to operate in an ambient temperature range -50°C to +40°C for T4 class heaters, and -50°C to +60°C and +80°C for T3 class heaters.

The FXE heaters are designed with a small, circular finned profile which may only be installed in a vertical orientation. These heaters are also supplied with a single mounting solution that can be used to affix the heater either directly to an enclosure, a bracket or terminal rail.

Due to the nature of fixed duty heating solutions, these heaters must not be allowed to exceed their ambient temperature limits; however EXHEAT Industrial can supply all heaters within the range with an integral inline thermostat which safely de-energises the heater when a certain ambient temperature is reached.

Please speak to our EXHEAT Industrial representatives in order to review your requirements and calculate the correct duty necessary for your installation.

Hazardous Area Electric Heaters & Controls

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INTERNATIONAL
+44 (0) 191 410 4292
www.heatingandprocess.com

Power	Voltage	T Class	Ambient	Dim A	Stock
30W	110-120V 220-254V	T4 T3	40°C 80°C	250mm 175mm	Yes
50W	110-120V 220-254V	T4 T3	40°C 80°C	325mm 250mm	Yes
75W	110-120V 220-254V	T3	60°C	250mm	Yes
100W	110-120V 220-254V	T3	60°C	325mm	Yes

Ø50 x Dim A

ADDITIONAL ACCESSORY - THERMOSTAT

EXHEAT Industrial offers FXT thermostats that can be supplied fitted to the heaters' supply cable. Please speak to our sales representatives for more information on the range of available thermostats.

FXT Flameproof Air Sensing Thermostat			
Model	**On / Off Temperature (+/-1.5°C)**	**Fuse Trip Temperature**	**Rating**
FXT1	-1.5°C / 5°C	76°C (+/- 3°C)	Up to 1.30A
FXT2	11.5°C / 17°C	76°C (+/- 3°C)	Up to 1.30A
FXT3	33.5°C / 40°C	76°C (+/- 3°C)	Up to 1.30A

FXT-M Encapsulated Inline Thermostat					
Model	**Open / Close Temperature (+/-3°C)**	**Voltage**	**Max Current**	**T Class**	**Max Ambient**
FXT-M-5	16°C / 5°C	110-120V 220-240V 254-277V	6.0 A	T6 T5	60°C 80°C
FXT-M-20	26°C / 15°C		3.3 A		
FXT-M-40	37°C / 26°C		4.8 A		
FXT-M-60	69°C / 58°C		9.0 A		

FXT-DI Flameproof Inline Thermostat					
Model	**Open / Close Temperature (+/-3°C)**	**Voltage**	**Max Current**	**T Class**	**Max Ambient**
FXT-DI-5	16°C / 5°C	110-277V	9.0 A	T6 T5 T4 T3	80°C 95°C 130°C 180°C *
FXT-DI-20	26°C / 15°C				
FXT-DI-40	37°C / 26°C				
FXT-DI-60	69°C / 58°C				
FXT-DI-80	92°C / 81°C				

FXT-DR Flameproof Remote Thermostat					
Model	**Open / Close Temperature (+/-3°C)**	**Voltage**	**Max Current**	**T Class**	**Max Ambient**
FXT-DR-5	16°C / 5°C	110-277V	9.0 A	T6 T5 T4 T3	80°C 95°C 130°C 180°C *
FXT-DR-20	26°C / 15°C				
FXT-DR-40	37°C / 26°C				
FXT-DR-60	69-130°C / 58°C				
FXT-DR-80	92°C / 81°C				

* Available up to a maximum ambient of +195°C upon request.