

Industrial Control Systems - Safe Area



EXHEAT Industrial safe area standard control systems are designed to offer an accurate and cost effective solution for controlling all EXHEAT Industrial standard product heaters. The control systems are installed with fascia mounted components to ensure that safe operation can be maintained. Designed and built in our ISO 9001:2008 accredited and purpose built facility, the standard range of control systems are built and tested in accordance with the mandatory IEC 61439 standard.

This range of safe area control systems enables the fundamental operation of thermostatically controlled hazardous or safe area heaters for single and three phase supplies, with current capacities up to 100A. Allowing for the connection of up to three thermostats - typically one control and two over-temperature devices - this small and effective control system will operate continuously to provide your heater with suitable protection within its hazardous environment.

FEATURES

The control systems are installed with the following features as standard:

- Emergency stop pushbutton
- Lockable isolator
- Fault key reset
- Illuminated heater on/off button
- Fault indicator
- Enclosure painted to RAL 7035
- Ingress protected to IP42 and NEMA 4

Small applications often utilise thermostats to offer a cost effective method of control. This range of safe area control systems is designed to suit this control requirement by offering a product that works with your heater to ensure that the hazardous certification of the heater is maintained.

EXHEAT has 25 years' experience in the design and manufacture of safe area control systems. This is shown in our ability to offer the highest quality product with the shortest possible delivery time.

TECHNICAL DETAILS

Each safe area EXHEAT Industrial control system can be supplied for the following criteria:

- Suitable for single phase (110V to 254V) and three phase (380V to 480V)
- Operates at 50Hz and 60Hz
- Can operate any heater up to 100A that has up to three thermostats for control and over-temperature protection
- Installation in non-hazardous areas only

Model	Voltage	Max Current	Enclosure Size	Control Voltage	Weight
ICS-1	110-120	100A	500 x 400 x 210	115V	19kg
ICS-2	220-254	100A	500 x 400 x 210	115V	19kg
ICS-4	380-480	40A	500 x 400 x 210	115V	23kg
ICS-6	380-480	63A	500 x 400 x 210	115V	24kg
ICS-10	380-480	100A	500 x 400 x 210	115V	26kg

APPLICATIONS

These control panels are designed to operate the following heaters available from EXHEAT Industrial:

- FP Flameproof Immersion Heaters
- FP-C and FP-CA Flameproof Immersion Heaters
- HB Type Safe Area Immersion Heaters
- HFY Type Safe Area Immersion Heaters
- HRF Type Safe Area Immersion Heaters
- RFA Flameproof Immersion Heaters
- RFA-C and RFA-CA Flameproof Immersion Heaters
- FP and FP-MLH Line Heaters
- HEWL and HEOL Line Heaters
- FUH Flameproof Fan Heaters

