HVAC THYRISTOR CATALOGUE

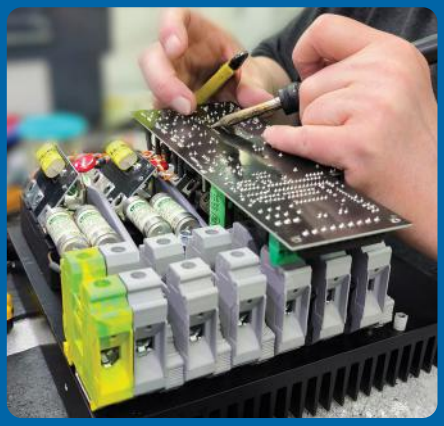
Precision. Power. Control.

United Automation Product Guide

united automation

www.united-automation.com

Contents:



United Automation Limited

British Engineering Excellence Since 1964

United Automation is a leading UK manufacturer of industrial control systems, based in Southport, England. With over 60 years of experience, we design and manufacture high-quality solutions for power, temperature, and motion control. Our HVAC range reflects a proud heritage of innovation, reliability, and British engineering excellence.

All products are designed and built in-house in the UK, ensuring rigorous quality control, dependable performance, and the flexibility to meet evolving market demands. Today, United Automation supplies over 400 standard products to customers in more than 88 countries worldwide, alongside bespoke control solutions tailored to specific applications.

Why Choose United Automation?

Choosing United Automation means partnering with a proven control specialist committed to quality, performance, and support.

UK Manufactured Quality
All United Automation products are designed and manufactured in-house at our Southport facility, ensuring consistent quality, rigorous testing, and reliable long-term performance.

60+ Years of Expertise
Founded in 1964, United Automation is a trusted pioneer in industrial power electronics, delivering proven, reliable control solutions across multiple industries.

Standard & Bespoke Solutions
With over 400 standard products and extensive custom design capability, we provide both off-the-shelf and tailored control solutions to meet exact requirements.

Global Confidence
Trusted in more than 88 countries worldwide, our products meet international compliance standards and are supported by expert technical support and a 12-month warranty.

What is an HVAC Thyristor Controller?

High-Reliability Power Control for HVAC Heating Systems

Our HVAC thyristor controller range is specifically designed to deliver high-reliability, precision control of resistive heating loads in applications such as duct heaters, air handling units (AHUs), and industrial fan heaters.

Utilising advanced **Zero-Voltage "Burst Fire" technology**, these controllers provide smooth, flicker-free power regulation. This not only ensures accurate temperature control but also minimises radio frequency interference (RFI) and helps extend the lifespan of heating elements.

How Does It Work?

Precise, Zero-Voltage Switching for Efficient Temperature Control

An HVAC thyristor controller is a solid-state device that regulates the electrical power supplied to resistive heating elements (commonly known as heater batteries). Unlike traditional mechanical contactors that operate with simple on/off switching, thyristor controllers use high-speed semiconductor switching to precisely modulate power output.

BMS / CONTROLLER
(0-10V / 4-20mA Signal)
→
THYRISTOR CONTROLLER
(Zero-Cross Switching)
→
HEATING ELEMENT
(Resistive Load)

By switching at the exact moment the AC waveform crosses zero voltage, the controller delivers controlled "bursts" of energy to the load. This **Zero-Voltage Burst Firing** method:

- Reduces electrical stress
- Eliminates inrush currents
- Ensures stable, efficient heating performance

The BMS Interface: Acting as a critical interface between the Building Management System (BMS) and the heating system, HVAC thyristor controllers enable accurate temperature regulation, improved energy efficiency, and enhanced system reliability.

Key Features

Selectable Control Inputs:
Multi-input capability (0-10V DC, 4-20mA, or manual potentiometer).

Zero-Cross Switching:
Power is applied only at the zero-voltage point to eliminate electrical noise.

Thermal Protection:
Integrated 90°C over-temperature trip with auto-reset functionality.

Diagnostic Pulse LEDs:
Real-time visual feedback on signal status, phase loss, and temperature faults.

Compact Footprint:
DIN-rail and chassis mounting options to suit any panel size.

Safety Compliance:

More info:
https://united-automation.com/product-category/hvac-thyristor-controllers/

Benefits of United Automation's HVAC Thyristor Controllers

Efficient, Reliable, and Intelligent Heating Control

United Automation's solid-state controllers deliver high-performance power regulation to enhance the efficiency, safety, and longevity of commercial heating systems.

- **Energy Efficiency & Extended Equipment Life**
  - **Proportional Control:** Smooth power regulation optimises energy consumption and reduces thermal stress.
  - **Extended Lifespan:** Protects and extends the working life of fan heaters, duct heaters, and Air Handling Units (AHUs).

- **Clean, Silent Operation**
  - **Burst Fire Technology:** Advanced zero-voltage switching ensures silent operation and eliminates radio frequency interference (RFI).
  - **Ideal Environments:** Noise-sensitive locations including offices, hospitals, and schools.

- **Built-in Safety Mechanisms**

Designed for continuous-duty operation, each unit incorporates robust heatsinks and an automatic reset over-temperature protection system.

Safety Temperature Profile

  - **90°C Cutout:** Controller safely disconnects power if exceeded.
  - **85°C Reset:** Automatically restores operation once cooled.
  - **Fused Protection:** Integrated high-speed semiconductor fuses provide additional protection against electrical faults and overloads.

- **Advanced Diagnostics & BMS Integration**
  - **Coded Pulse LEDs:** Instant visual feedback for rapid fault identification (phase loss, sensor failure, or over-temperature).
  - **Remote Monitoring:** Voltage-free alarm relays provide seamless integration with standard Building Management Systems (BMS).

- **Fast, Flexible Installation Options**

The range is engineered to accommodate diverse panel layouts and reduce installation time on-site:

  - **DIN Rail Models:** Compact designs engineered for direct mounting onto standard TS35 DIN rails.
  - **Enclosed Variants:** Feature user-friendly, clamp-type terminals, ensuring fast, secure, and straightforward wiring installation.

PR1-DIN-F Series: Single Phase (DIN Rail Mount & Fuse)

Compact, high-efficiency solutions for space-constrained control panels.

The **PR1-DIN-F Series** is a compact and reliable range of single-phase power regulators designed for precise control of resistive heating loads in HVAC and industrial applications. Engineered for professional installations, these DIN-rail mounted controllers use burst fire power control to deliver stable, energy-efficient performance while reducing electrical noise and thermal stress on connected equipment.

Available in models from **1.5kW to 6kW**, the PR1-DIN range combines advanced protection features, simple installation, and dependable long-term operation in a wide variety of heating systems.

SKU: A407253-HV, A407254-HV

SKU: A407255-HV

SKU: A407272-HV

SKU: A407274-HV

Technical Overview

Supply Voltage	230V AC ±10%
Frequency	50/60Hz
Control Signal	0–10V DC (factory set)
Available Power Ratings	1.5kW, 2.5kW, 3kW, 4kW, 6kW
Cooling	Natural convection with integrated heatsink
Protection	Over-temperature trip with automatic reset
LED Indicator	Power level and fault status indication
Maximum Operating Temperature	Up to 65°C (2.5, 4 kW) Up to 90°C (1.5, 3, 6 kW)
Mounting	TS35 DIN-rail

Key Features

- **Burst Fire Power Control:** Delivers stable and efficient proportional control for resistive heating loads while minimising electrical noise.
- **Compact DIN-Rail Design:** Space-saving construction with fast, secure TS35 DIN-rail mounting.
- **Integrated Safety Protection:** Includes over-temperature protection, fail-safe fusing, and fault indication for reliable operation.
- **Flexible Control Options:** Supports 0–10V DC control, alternative voltage signals, or manual control via a 5kΩ potentiometer.

Typical Applications

- HVAC heating systems & electric heater batteries
- Air handling and ventilation units (AHUs)
- Industrial process heaters, ovens, and drying equipment
- Heating cables, hot water tanks, and plastic processing equipment

SKU	Model	Max Load	Amps (RMS)	Voltage (V)	Dimensions
A407253-HV	PR1-DIN-F-1.5kW*	1.5kW	6.3A	240	112mm (D) x 95mm (W) x 75mm (H)
A407254-HV	PR1-DIN-F-3kW*	3.0kW	12.5A	240	112mm (D) x 95mm (W) x 75mm (H)
A407255-HV	PR1-DIN-F-6kW*	6.0kW	25.0A	240	112mm (D) x 96mm (W) x 85mm (H)
A407272-HV	PR1-DIN-F-2.5kW	2.5kW	10.9A	230	83mm (H) x 75mm (W) x 94mm (D)
A407274-HV	PR1-DIN-F-4kW	4.0kW	17.4A	230	105mm(H) x 77.5mm (W) x 94mm (D)

* **Filter-Free Performance:** The 1.5kW, 3kW, and 6kW models are exceptionally well suited to installations requiring quiet, efficient power control without the need for remote EMC filtering.

The protective cover is only available for the 6 kW model.

PR1-E Series: Single Phase (Heavy Duty)

Robust power control for large single-phase heating loads.

The **PR1-Enclosed Series** is a robust range of single-phase power controllers designed for precise regulation of large resistive heating loads in HVAC and industrial environments. Built around a heavy-duty enclosed stack assembly with enhanced heatsink cooling, these controllers use burst fire power control to deliver stable, energy-efficient performance while minimising electrical noise and thermal stress on connected equipment.

Available from **1.5kW to 24kW**, the PR1-E range provides scalable, reliable heating control — from small process heaters to high-capacity HVAC heater batteries.

1.5 kW
3 kW

SKU: A407549-HV, A407550-HV

6 kW

SKU: A407252-HV

9 kW
12 kW
24 kW

SKU: AA412222-HV, A412232-HV, A412252-HV

Technical Overview

Supply Voltage	230V AC ±10%
Frequency	50/60Hz
Control Signal	0–10V DC (factory set)
Available Power Ratings	1.5kW, 3kW, 6kW, 9kW, 12kW, 24kW
Cooling	High-efficiency heatsink with natural convection
Protection	Over-temperature trip with automatic reset and semiconductor fusing
LED Indicator	Power level and fault status indication
Maximum Operating Temperature	Up to 90°C (model dependent)
Mounting	Panel mounting via keyhole fixing centres

Key Features

- **Burst Fire Power Control:** Fast zero-voltage switching ensures efficient proportional heating control while reducing flicker and RFI.
- **Heavy-Duty Enclosed Construction:** Robust stack design with optimised vertical cooling fins for continuous industrial operation.
- **Integrated Safety Protection:** Over-temperature trip with automatic reset, semiconductor fusing, and LED fault indication.
- **Flexible Control Options:** Supports 0–10V DC control (standard), alternative voltage signals, or manual control via a 5kΩ potentiometer.

Typical Applications

- HVAC heater batteries, air handling, and ventilation systems
- Industrial and process heaters
- Ovens, industrial dryers, and thermal cabinets
- Heating cables and commercial hot water tanks
- General high-power resistive heating loads

SKU	Model	Max Load	Amps (RMS)	Voltage (V)	Dimensions
A407549-HV	PR1-E-1.5KW	1.5kW	6.3A	240V	140mm (D) x 99mm (W) x 45mm (H)
A407550-HV	PR1-E-3KW	3.0kW	12.5A	240V	140mm (D) x 99mm (W) x 80mm (H)
A407552-HV	PR1-E-6KW	6.0kW	25A	240V	140mm (D) x 99mm (W) x 80mm (H)
A412222-HV	PR1-E-9KW	9.0kW	37.5A	240V	200mm (D) x 155mm (W) x 120mm (H)
A412232-HV	PR1-E-12KW	12.0kW	50A	240V	200mm (D) x 155mm (W) x 120mm (H)
A412252-HV	PR1-E-24KW	24.0kW	100A	240V	200mm (D) x 155mm (W) x 120mm (H)

PR3-DIN Series: Three Phase (2/3rds Control)

The benchmark for commercial and industrial HVAC power management.

The **PR3-DIN range** consists of compact, DIN-rail mounted burst-fire controllers designed for seamless integration with BMS and HVAC control systems. Utilising zero-voltage switching technology, these units ensure quiet, efficient operation while significantly reducing radio frequency interference (RFI) and line flicker.

Engineered specifically for 3-wire, 3-phase floating-star or closed-delta resistive loads, the range utilises 2-leg (2/3rds) control to provide precise power regulation for electric heater batteries. Available in models ranging from **12kW to 18kW**, the PR3-DIN range provides a scalable, high-reliability solution for demanding commercial heating applications.

12 kW

SKU: A437317-HV

18 kW

SKU: A437318-HV

Technical Overview

Supply Voltage	415V AC RMS ±10%
Frequency	50/60Hz
Control Signal	0–10V DC
Available Power Ratings	12kW (17A), 18kW (25A)
Cooling	Natural convection (no additional heatsink required)
Protection	Over-temperature trip with automatic reset
Alarm Output	Power level and fault status indication
Maximum Operating Temperature	Up to 90°C
Mounting	TS35 DIN-rail

Key Features

- **Two-Thirds Burst Fire Control:** Efficient and stable control of three-phase resistive heating loads.
- **Compact DIN-Rail Design:** Space-saving TS35 DIN mounting for fast installation and panel integration.
- **Integrated Protection & Alarm Functions:** Includes over-temperature protection, automatic reset, and alarm output indication.
- **Low Noise Zero-Voltage Switching:** Minimises flicker and electrical interference for smoother operation.

Typical Applications

- HVAC heater batteries and electric heating coils
- Air handling and ventilation systems (AHUs)
- Commercial electric heating systems
- Industrial furnaces, ovens, and dryers
- Heating cables and high-capacity elements

SKU	Model	Max Load	Amps (RMS)	Voltage (V)	Dimensions
A437317-HV	PR3-DIN-12KW	12kW	17A	415V	87mm (H) x 217mm (W) x x 90mm (D) (including DIN clips) – with firing circuit terminals front facing
A437318-HV	PR3-DIN-18KW	18kW	25A	415V	87mm (H) x 217mm (W) x x 110mm (D) (including DIN clips) – with firing circuit terminals front facing

PR3-E Series – High Power Enclosed Controllers

Three-Phase Burst Fire HVAC Controllers (6kW – 290kW)

The **PR3-E Series** is a robust range of enclosed three-phase power controllers engineered for high-capacity industrial and HVAC heating applications. Utilising advanced burst fire switching and two-thirds control technology, these controllers deliver accurate proportional heating control while reducing line flicker, RFI, and electrical stress on connected loads.

With models spanning from **6kW to 290kW**, the PR3-E range provides scalable heating control for applications ranging from small HVAC heater batteries through to large industrial process heating systems. Higher-output models incorporate forced-air cooling and enhanced thermal management to support continuous-duty operation in demanding environments.

6 kW

SKU: A437405-HV

12 kW
18 kW
27 kW

SKU: A437407-HV, A437408-HV, A437409-HV

36 kW
54 kW

SKU: A437432-HV, A437442-HV

86 kW
105 kW

SKU: A447412-HV-A, A447432-HV-A

150 kW
180 kW
225 kW
290 kW

SKU: A447444-HV, A447445-HV, A447544-HV, A447543-HV

Technical Overview

Supply Voltage	400–415V AC RMS ±10%
Frequency	50/60Hz
Control Signal	0–10V DC (standard), 0–5V DC, 4–20Ma, Manual control via 5kΩ potentiometer
Available Power Ratings	6kW to 290kW
Cooling	Natural convection (lower power models) or Fan-assisted cooling (higher power models)
Protection	Over-temperature trip with automatic reset, Phase loss detection or Sensor loss detection, Semiconductor fuse protection
Alarm Output	125V AC @ 2A
Maximum Operating Temperature	Up to 90°C

Key Features

- **Advanced Burst Fire Power Control:** Fast pulse zero-voltage switching provides smooth, efficient heating control with minimal RFI and flicker.
- **Scalable High-Power Performance:** Wide output range from 6kW to 290kW for small HVAC systems through to large industrial heating installations.
- **Integrated Protection & Diagnostics:** Includes over-temperature protection, phase loss detection, sensor fault indication, alarm relays, and semiconductor fuse protection.
- **Industrial-Grade Construction:** Heavy-duty enclosed design with integrated heatsinks and fan-assisted cooling on high-power models for continuous-duty reliability.

Typical Applications

- HVAC heater batteries & commercial air handling units (AHUs)
- Air curtains & large-scale thermal processing equipment
- Industrial furnaces, process heating systems, ovens, and dryers
- Industrial electric heating systems & hot plates

SKU	Model	Max Load	Amps (RMS)	Voltage (V)	Dimensions
A437405-HV	PR3-E-6kW	6kW	8A	415V	105mm (D) x 193mm (W) x 68mm (H)
A437407-HV	PR3-E-12kW	12kW	17A	415V	150mm (D) x 240mm (W) x 100mm (H)
A437408-HV	PR3-E-18kW	18kW	25A	415V	150mm (D) x 240mm (W) x 100mm (H)
A437409-HV	PR3-E-27kW	27kW	38A	415V	150mm (D) x 240mm (W) x 100mm (H)
A437432-HV	PR3-E-36kW	36kW	50A	415V	200mm (D) x 155mm (W) x 120mm (H)
A437442-HV	PR3-E-54kW	54kW	75A	415V	250mm (D) x 155mm (W) x 120mm (H)
A447412-HV-A	PR3-E-86kW	86kW	120A	415V	272mm (D) x 250mm (W) x 130mm (H)
A447432-HV-A	PR3-E-105kW	105kW	146A	415V	272mm (D) x 250mm (W) x 130mm (H)
A447444-HV	PR3-E-150kW	150kW	210A	415V	266mm (D) x 345mm (W) x 250mm (H)
A447445-HV	PR3-E-180kW	180kW	250A	415V	266mm (D) x 345mm (W) x 250mm (H)
A447544-HV	PR3-E-225kW	225kW	315A	415V	266mm (D) x 345mm (W) x 250mm (H)
A447543-HV	PR3-E-290kW	290kW	400A	415V	266mm (D) x 345mm (W) x 250mm (H)

PR3-E SPM Series – System Phase Monitor Controllers

Advanced Three-Phase Monitoring & Burst Fire Power Control (30kW – 36kW)

The **PR3-E SPM Series** is a high-performance range of three-phase burst fire power controllers engineered for critical HVAC and industrial heating applications where **advanced diagnostics and system protection** are essential. Designed for 3-wire, 3-phase floating-star or closed-delta resistive loads, these controllers utilise efficient two-thirds control technology to deliver precise and reliable power regulation.

The SPM Advantage: The integrated System Phase Monitoring (SPM) board continuously monitors phase conditions, fuse integrity, and system status, providing instant visual diagnostics through dedicated LED indicators. This combination of fast-pulse zero-voltage switching and advanced protection is ideal for demanding environments requiring maximum operational continuity.

30 kW

SKU: A437420-HV

36 kW

SKU: A437483-HV

Technical Overview

Supply Voltage	400 AC RMS ±10%
Frequency	50/60Hz
Control Signal	0–10V DC, 4–20mA, or 5kΩ potentiometer
Available Power Ratings	30kW (42A), 36kW (50A)
Control Method	2/3rds burst fire control
Cooling	Integrated heatsink with natural convection cooling
Diagnostics	Phase loss, sensor loss, SCR/fuse monitoring
Protection	Over-temperature trip with automatic reset
Alarm Output	125V AC @ 2A
Maximum Operating Temperature	Up to 90°C
Mounting	Enclosed panel-mounted design

Key Features

- **Integrated System Phase Monitoring:** Monitors phase health, fuse condition, and system faults with dedicated LED diagnostics.
- **Advanced Burst Fire Control:** Fast pulse zero-voltage switching minimises flicker, electrical noise, and RFI interference.
- **Comprehensive Protection Features:** Includes over-temperature protection, semiconductor fusing, phase loss detection, and sensor fault monitoring.
- **Flexible Control Options:** Supports multiple input signals including 0–10V DC, 4–20mA, and manual potentiometer control.

Typical Applications

- **Mission-Critical Sites:** Data centres, hospitals, healthcare facilities, and critical infrastructure
- **HVAC Systems:** High-reliability heater batteries and commercial air curtain systems
- **Industrial Process:** Industrial furnaces, ovens, dryers, hot plates, and process heating environments

SKU	Model	Max Load	Amps (RMS)	Voltage (V)	Dimensions
A437420-HV	PR3-E-30KW SPM	30kW	42A	415V	152mm (D) x 241mm (W) x 115mm (H)
A437483-HV	PR3-E-36KW SPM	36kW	50A	415V	152mm (D) x 241mm (W) x 115mm (H)

PR3-O Series: Open High-Power Controllers

Advanced Industrial Power Regulation (150kW – 225kW)

The **PR3-O Series** is a heavy-duty range of **three-phase burst fire power regulators** engineered for high-capacity resistive loads in demanding HVAC and industrial heating applications. Utilising efficient two-thirds control technology, these controllers deliver accurate power modulation while eliminating electrical noise through fast-pulse zero-voltage switching.

Designed for continuous, high-power operation, the PR3-O Series combines robust thermal management, integrated safety systems, and comprehensive fault diagnostics to provide dependable performance across large-scale process heating systems.

150 kW
225 kW

SKU: A447442-HV, A447452-HV

More info:
https://united-automation.com/product-category/hvac-thyristor-controllers/

Technical Overview

Supply Voltage	400 AC RMS ±10%
Frequency	50/60Hz
Control Signal	0–10V DC, 0-5V DC, 4–20mA, or 5kΩ potentiometer
Available Power Ratings	150kW (209A), 225kW (313A)
Control Method	Burst fire (Fast or Slow selectable)
Cooling	Forced-air cooling with permanent fan operation
Fault Monitoring	Phase loss and sensor failure detection
Protection	Over-temperature trip with automatic reset (90°C trip / 85°C reset)
Alarm Output	Voltage-free relay (2A @ 125V AC)
Maximum Operating Temperature	Up to 65°C
Mounting	Panel-mounted design

Key Features

- **High-Power Three-Phase Control:** Precise regulation of large resistive loads using two-thirds control technology for stable, efficient performance.
- **Advanced Burst Fire Switching:** Fast-pulse zero-voltage switching reduces line flicker and eliminates RFI, featuring selectable fast or slow burst modes.
- **Comprehensive Protection & Diagnostics:** Built-in automatic over-temperature reset, phase loss detection, sensor fault monitoring, and semiconductor fuse protection.
- **Heavy-Duty Continuous Design:** Features a permanently operating cooling fan and robust construction to ensure long-term reliability in high-demand environments.

Typical Applications

- High-capacity air curtain systems
- Industrial furnaces, large ovens, and industrial dryers
- Hot plates and dedicated process heaters
- Commercial heating systems & high-power resistive loads

SKU	Model	Max Load	Amps (RMS)	Voltage (V)	Dimensions
A447442-HV	PR3-O-150kW	150kW	209A	415V	260mm (D) x 245mm (W) x 215mm (H)
A447452-HV	PR3-O-225kW	225kW	313A	415V	260mm (D) x 245mm (W) x 215mm (H)

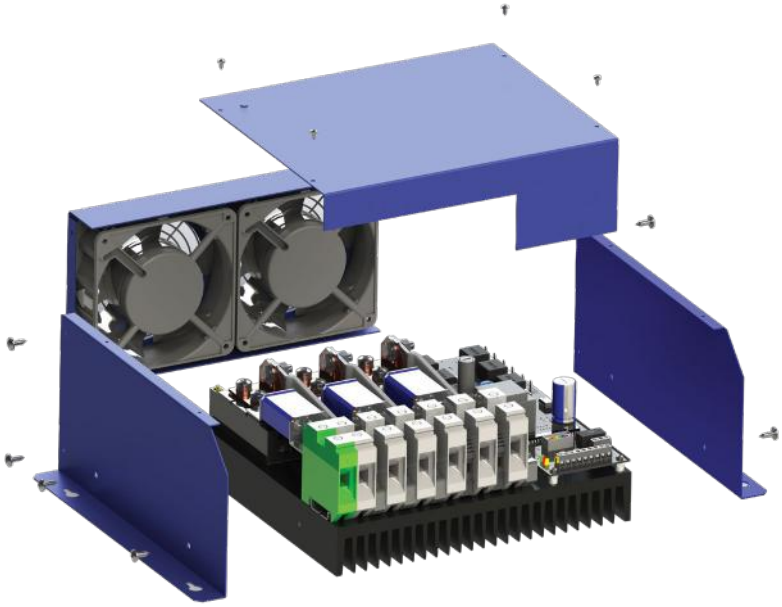
Product Range Comparison Table

Feature	PR1-DIN Series	PR1-E Series	PR3-DIN Series	PR3-E Series	PR3-E SPM Series	PR3-O SERIES
Phase Type	1-Phase	1-Phase	3-Phase	3-Phase	3-Phase	3-Phase
Control Method	Burst Fire	Burst Fire	Burst Fire via two-thirds control	Burst Fire via two-thirds control	2/3rds Burst Fire with Soft Start	Burst Fire via two-thirds control (Fast/Slow selectable)
Mounting	DIN-Rail (TS35)	Enclosed	DIN-Rail (TS35)	Enclosed	Enclosed	Panel-mounted design
Power Range	1.5kW – 6kW	1.5kW – 24kW	12kW – 18kW	6kW – 290kW	30kW – 36kW	150kW - 225kW
Max Voltage	230V AC RMS±10%	230V AC RMS ±10%	415V AC RMS ±10%	400V AC RMS ±10%	400V AC RMS ±10%	400V AC RMS ±10%
Fuse Monitor	No	No	No	No	Yes (Standard)	No
Over-Temp Trip	Yes (Trips at 90°C, resets at 85°C)	Yes (Trips at 90°C, resets at 85°C)	Yes (Trips at 90°C, resets at 85°C)	Yes (Trips at 90°C, resets at 85°C)	Yes (Trips at 90°C, resets at 85°C)	Yes (Trips at 90°C, resets at 85°C)

***Don't see the exact solution your project requires?** As specialists in bespoke engineering, we can design and build a custom system tailored to your specific commercial or industrial needs.

Contact Our Technical Team Today **https://united-automation.com/services/**

united automation
00044 (0) 1704-516 501 enquiries@united-automation.com www.united-automation.com



Bespoke Designs & Customised Engineering

Tailored Thermal Solutions Built in Britain

Standard specifications do not always fit unique on-site challenges or complex OEM projects. Thanks to our in-house design and manufacturing facility in Southport, we offer a rapid Bespoke Design Service to tailor controllers directly to your requirements.

Our Custom Capabilities:

Enclosures & Mounting: Custom physical footprints, IP65 dust/water-resistant builds, or pre-wired modular chassis plates for fast field replacement.

Modified Signals: Custom-calibrated inputs and outputs for seamless integration with legacy or proprietary BMS platforms.

High-Power Systems: Scaled power handling beyond 290kW for heavy-duty industrial process heating.

OEM Co-Branding: Custom labelling, specific powder coatings, and pre-configured wiring looms for AHU manufacturers.

Concept → Manufacture: Our application engineers will work directly with your design team to take your custom concept from prototype to final batch production.

Protect Your System Today: Partner with United Automation

Don't let mechanical wear, sensor failures, or inefficient switching compromise your HVAC project. Take advantage of United Automation's **British-made performance, direct technical support, and bespoke engineering.**

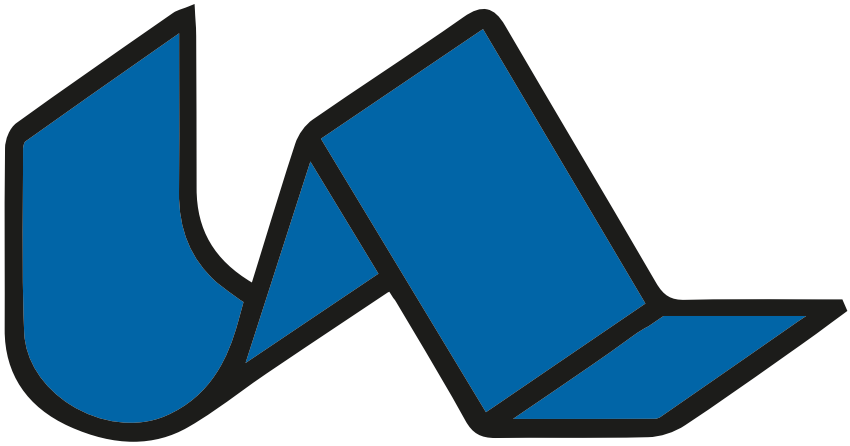
Contact Our Southport Engineering & Sales Desk:

- **Email us:** enquiries@united-automation.com
- **Call us direct:** +44 (0) 1704 516501
- **Explore the range:** www.united-automation.com

United Automation Limited: Precision. Power. Control.

Proudly designed and manufactured in Southport, UK.

Notes:



united
automation

United Automation Limited
B M F House
Southport Business Park
Wight Moss Way Southport
PR8 4HQ
United Kingdom

enquiries@united-automation.com

+44(0)1704 516501

www.united-automation.com

united automation