



Enclosed Temperature Controller & Heater Mat

0-200°C, 2kW, 4kW, 110V, 230V

CONTACT US:
☎ 0044 (0) 1704-516 501
✉ enquiries@united-automation.com
🌐 www.united-automation.com



KEY FEATURES:

- ✓ Wide temperature control range: **0 to +200°C**
- ✓ Available in **230VAC** and **110VAC** models
- ✓ Robust **16A current handling**
- ✓ Integrated **IP65-rated** weatherproof enclosure for indoor/outdoor use
- ✓ Built-in **power and load ON indicators**
- ✓ Includes **power lead and socket** for easy connection to heater mats
- ✓ Compact and easy to install with minimal wiring requirements

APPLICATIONS:

- Pipe and container heating
- Battery warming systems
- Industrial catering equipment
- Environmental control for electronics
- General process temperature regulation in industrial settings

The **Enclosed Temperature Controller** offers precise, closed-loop control for single-phase 110VAC or 230VAC systems, managing resistive loads up to 16A. Engineered for durability and flexibility, it is ideal for applications such as pipe heating, battery warming, container temperature control, industrial catering, and electronics environment management. **A compatible heater mat is available for 230VAC operation**, making it a complete plug-and-play thermal management solution.






The **230V Heater Mats** are designed for efficient, closed-loop temperature control in industrial and commercial environments. Featuring an integrated connector for simple installation with our temperature controllers, these mats ensure consistent heat distribution and quick warm-up times.

TECHNICAL SPECIFICATIONS

| Enclosed Temperature Controller | |
|---------------------------------|------------------------|
| Voltage Options | 110VAC / 230VAC |
| Max Load Capacity | 16A |
| Temperature Range | 0°C to +200°C |
| Enclosure Rating | IP65 |
| Indicators | Power ON, Load ON LEDs |
| Output Connection | Integrated mat socket |
| Heater Mat Compatibility | Yes (230V operation) |
| Installation | Simple wall mounting |

| Heater Mats** | |
|------------------------------|---|
| Voltage Rating | 230V AC. |
| Temperature Control | Closed-loop (via compatible controller) |
| Compliance | RoHS compliant |
| Connection Type | Integrated connector to the controller |
| Material | Flexible silicone |
| Installation | Surface-mount with connector plug |
| Available Heater Mat Options | |
| Dimensions (mm) | Power Output (W) |
| 100 x 150 | 50W / 100W |
| 150 x 200 | 100W / 200W |
| 160 x 810 | 350W |
| 200 x 300 | 200W / 400W |
| 200 x 400 | 267W / 533W |

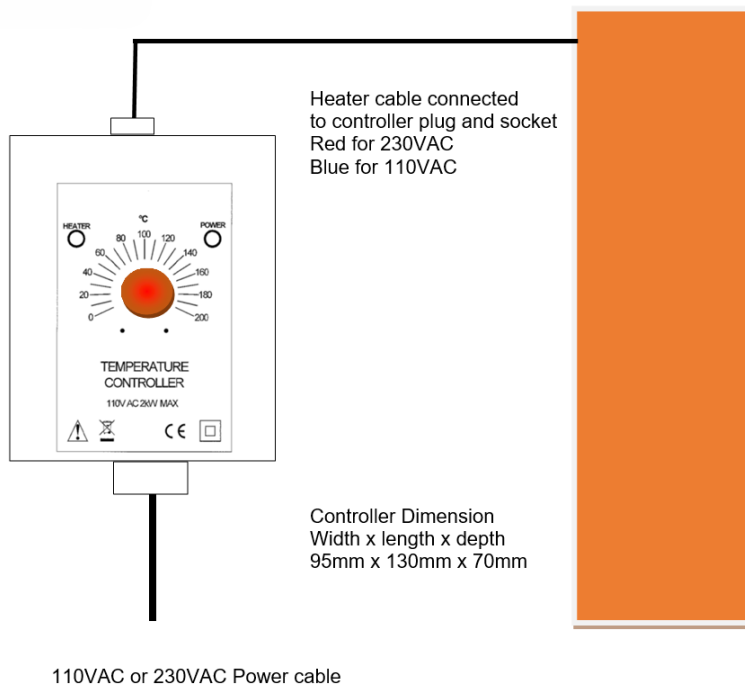
YOU MUST READ THIS BEFORE INSTALLATION

|  ELECTRICAL SAFETY |  INSTALLATION REQUIREMENTS |  USER RESTRICTIONS |  USAGE ENVIRONMENT |  HOT SURFACE WARNING |
|---|---|--|---|--|
| WARNING: RISK OF ELECTRIC SHOCK Always consult the Installation & Maintenance Instructions before connecting this product to the power supply. WARNING: Disconnect Power Before Servicing Ensure the electrical supply is safely disconnected before connecting to any supply, load, or control terminals. | WARNING: Installation by Qualified Personnel Only This product must only be installed or fitted by a competent, qualified installer familiar with the relevant electrical standards and installation practices. | WARNING: Not for Use by Vulnerable Individuals This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or instructed by a person responsible for their safety. | WARNING: Industrial Use Only This is an industrial-grade product and is not intended for household use. | WARNING: Hot Surfaces On certain models, surfaces marked with this symbol become hot during use. Avoid direct contact and follow all thermal safety precautions. |

Enclosed Temperature Controller & Heater Mat

0-200°C, 2kW, 4kW, 110V, 230V

INSTALLATION



RECOMMENDATIONS

FUSING

Wire wound heaters are intended for use in industrial electric apparatus. The heater has to be operated in accordance with standard regulations and should be installed on an electrical system protected by a residual current circuit breaker

CE MARKING

This product family carries a "CE marking". For information, see the recommendation section and contact our sales desk. (See Declaration of Conformity).

DOCUMENTS

Other documents available on request, which may be appropriate for your application:

| Code | Identity | Description |
|---------------|----------|---|
| X10213 | ITA | Interaction: Uses for phase angle and for burst fire control |
| X10255 | SRA | Safety Requirements: Addressing the Low Voltage Directive (LVD) including, Thermal Data/Cooling, Live Parts Warning, Earthing Requirements and Fusing Recommendations |
| P01.1 | COS | UAL Conditions of Sale |

It is recommended that installation and maintenance of this equipment should be done with reference to the current edition of the I.E.T. regulations (BS7671) by suitably qualified/trained personnel. The regulations contain important requirements regarding the safety of electrical equipment. For International standards refer STANDARDS on D of C.

PRODUCT CODE AND RELATED PRODUCT CODE

| Product Code | Product Description |
|---|---|
| A26288 | Enclosed Temperature Controller – 16A, 230V |
| A26289 | Enclosed Temperature Controller – 16A, 110V |
| ** Please contact us for more information. | 230VAC 350Watt Heater MAT |