

X10809

Temperature Controllers

# 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



BMF House - Wight Moss Way,  
Southport Business Park  
Southport PR8 4HQ  
ENGLAND



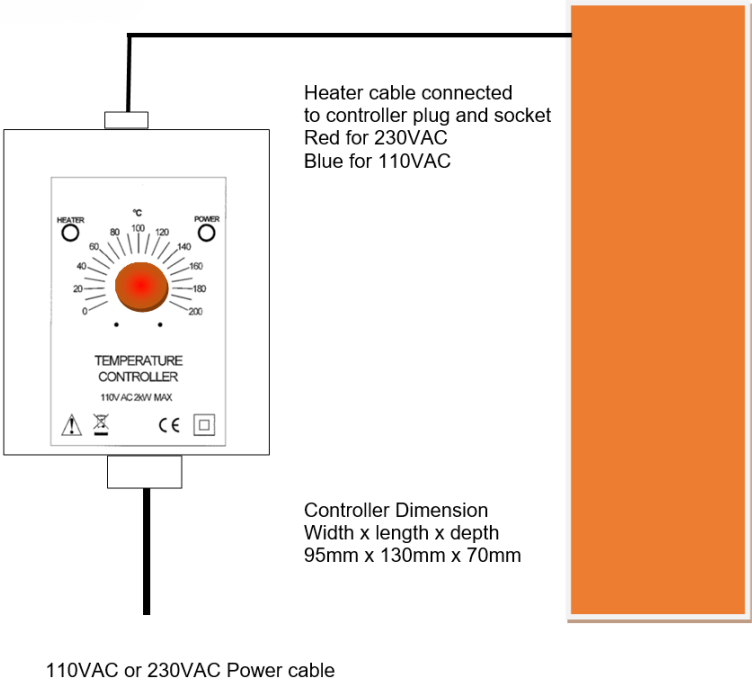
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## INSTALLATION



## 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