

# K&M Wholesale Suppliers

## U0002 Energy Controller

### Operating Instructions :Temperature control



#### 1. Items delivered:

Temperature control

#### 2. Range of application:

The controller permits the operation of all kilns up to a connected load of 3.6kW.

#### 3. Specifications:

Maximum temperature: approx. 1,200 °C

Voltage: 230 V~/3,600 W, 16 A

#### 4. Unpacking and handling:

When unpacking or transporting the device, always hold the lower side to lift it.

Never lift it by holding the cable or the mains connector.

Before putting the device into service, remove all packaging material from it.

#### 5. Installing and connecting to electricity:

Set up the kiln in a well-ventilated room, away from other sources of heat and on a fire-proof, heat-resistant surface. Remove all inflammable material around the kiln. Do not obstruct any ventilation holes. Due to the high temperatures inside, it is inevitable that correspondingly heat will radiate from the device, especially at the door. Place a heat dissipator or a ceramic plate under the door opening where you can quickly switch it off or disconnect it from the mains in the case of an emergency.

## 6. Putting the controller into service:

The controller may not set a temperature range above the allowable maximum temperature of your kiln. Please ask the supplier of your kiln if you do not know the maximum temperature of your device. Plug the kiln into the socket of the controller. Connect the controller to the 230 Volt socket earthed in accordance with the regulations.

## 7. Operation:

This controlling unit serves to control the power supply for your kiln.

The scale values correspond approximately to the circuit times in the table below:

Level Kiln „on“ in secs. Kiln „off“ in secs.

1	1	21
2	2	20
3	4	18
4	6	15
5	8	13
6	10	10
7	14	8
8	16	5
9	21	1
10	continuous operation	/

Heat up your kiln on level 10 and, when the desired temperature has been reached, turn the controller down to maintain this temperature. The maximum temperature of your kiln must always be taken into account. **At level 10, the kiln is supplied with power continuously without switching off, so that the spiral can overheat and burn through. Thus, the controller may not permanently be operated at level 10.**

**8,** If exact knowledge of your actual kiln temperature is required then please add the measuring device coded U0005 Pyrometer & thermocouple complete

## 9. Care and maintenance:

The outside of the controller may be cleaned with a damp cloth. Under no circumstances should water be introduced into the controller.

Do not use solvents for cleaning.

**10, Never force the switch on your controller or turn in the wrong direction. Gently turn the knob to the desired setting, the red light will show when power is entering the unit.**

