

ANALOGUE CONTROL RELAYS

SIL4 / SIM4

→ Single phase angle controllers

Our Sil4 range is in celpac® housing (ready to use).
This range is designed for resistive loads.

| Product reference | Switching current at 25°C | Switching voltage | Control voltage | External power supply required ? | Fig. |
|-------------------|---------------------------|-------------------|-----------------|----------------------------------|------|
| SIL465000 | 32A | 160-450VAC | 0-10V | no | 1 |
| SIM465000 | 40A | 160-450VAC | 0-10V | no | 2 |



1



2

• Dim. 22,5 x 80 x 116 mm

• Dim. 45 x 80 x 116 mm

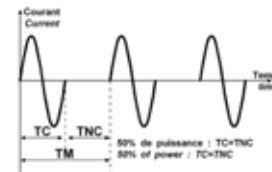
SO3

→ Burst control mode
(μ P based unit)

This control mode is particularly suitable for resistive loads having a low thermal inertia like short wave Infra Red sources (IR lamps). It allows a very fine control of power according to the analogue input signal while reducing noise emission level (EMC conducted emissions). This control mode consists in switching streams of full sine waves equally distributed along a fixed modulation period (TM) function of the analogue input signal. The μ P constantly computes the number of full sine waves to be switched along the TM period.

| Product reference | Thyristor rating | Switching voltage | Control voltage | External power supply required ? |
|-------------------|------------------|-------------------|-----------------|----------------------------------|
| SO367001 | 75A | 400VAC | 0-10VDC | no |

Other power rating and / or control on request



• Dim. 45 x 58,2 x 27 mm

MULTIZONES POWER CONTROLLER

NEW

Taking into account the identified needs of the market, celduc® relais has developed infrared lamp temperature control boxes. The technology used, based on solid state relays for power connected to a complex electronic, helps to ensure power control up to 12 lamps in a precise and efficient way. A program allows the PLC to be informed of the operating state and possible faults in the manufacturing process.

Characteristics of the control boxes:

- Heat box for a maximum of 12 IR channels (4kW max. per channel and 36kW max. per box)
- U² type mains variations compensation (syncopated)
- Detections: broken lamp < 250 ms; over/undervoltage; overheating; broken fuse
- Built-in protection
- Control by Profi bus DP

