

- Controller of electrical heating
- Controlled load 6.4kW / 400V, 3.2kW / 230V



Controller of electrical heating type HCS 6.1

Proportional controller of electrical heating with automatic adaptation of voltage. An internal or an external sensor is used with the device. **HCS 6.1** controls the heating intensity by switching electrical power on or off. The ratio between the off-time and on-time depends on the need for heating and can vary in the range between 0% and 100%.

Application

- Electric heating batteries
- Control of 1 phase and 2 phase heaters only; not suitable for 3 phase control

Specifications

- Has zero phase-angle detection for preventing RFI (radio frequency interference)
- Automatically adjusts it's control mode to suit the controlled object's dynamics
- For rapid temperature changes i.e. supply air control **HCS6.1** will act as a PID controller (Proportional Integral Derivative controller)
- For slow temperature changes i.e. room control **HCS 6.1** will act as a PID controller (Proportional Integral Derivative controller)
- Night temperature set-back : potential-free closure will give a night set-back of 1 - 10°C. Settable with a potentiometer which is in the **HCS 6.1**.

Mounting

- Wall
- If **HCS 6.1** is to be used with the internal sensor, mount it approx. 1,5 m above floor level at a location with a representative temperature.

Accessoires

- External temperature duct sensors, **type DTS-100**

Technical data

- Supply : 230-415V, 50-60Hz, 1 phase 230V AC, 2 phases 400V AC
- Max. controlled load : 6.4kW / 400V, 3.2kW / 230V
- Max. controlled current : 16 A
- Protection class : IP20
- Ambient temperature : max. 30°C
- Ambient humidity : max. 90% RH

Dimensions

- W x H x L : 150 x 80 x 55mm