

### Features

- Up to 3.6 kW (220 VAC) electrical heater control
- Maximum 17 A Current Single Phase at 220 VAC
- Up to 6.4 KW (380 VAC) electrical heater control
- Maximum 10 A Current Three-phase at 380 VAC
- 220 VAC or 380 VAC supply
- 0-10 V input signal
- Electrical heater safety contact
- Surface montage



### Usage

HT3xx series is used as an electrical heater controller in HVAC applications and building automation.

### Notes on Usage

Please read the manual carefully. HT306 has been designed and manufactured in accordance with the latest technological developments and safety rules. Safety warnings must be observed to prevent injury and property damage.

### Safety Advice - Caution

The installation, maintenance and repair of the device should be done by authorized personnel. The power supply of the device is 220 VAC L-N or 380 VAC L1-L2.



### About Product

Product Code	Definition	Power	Communication
HT306.50.HS1	1x Analog 0-10 V (Active) Input 1x Monophase or 2x Phase Out (Heater) Safety Contact	0-3.6 kW (Monophase) 0-6.4 kW (Phase -Phase)	--

### Technical Features

Operating Voltage	220 VAC $\pm$ 10%, 50/60Hz 380 VAC $\pm$ 10%, 50/60Hz
Pulse Period	60 sec
Operating Temperature	0-40 °C
Storage Temperature	-20+70°C
Operating Humidity	Max. %90 rh, Non-condensing
Cable Connections	Screw Type PCB Terminal Blocks
Input Signal	0-10V
Flow	Resistive load, maximum 17 A Current Single Phase at 220 VAC, Maximum 10 A Current Three-phase up to 380 VAC
Load Type	Up to 3.6 KW (220 VAC) electrical heater control Up to 6.4 KW (380 VAC) electrical heater control
Inputs	1 x Safety Contact 1 x Active Analog Input 0-10 V
Outputs	1 x Monophase or 2 x Phase Phase (Heater)
Dimensions	80,4 x 85 x 90 mm (W x H x L)

### Mounting Location

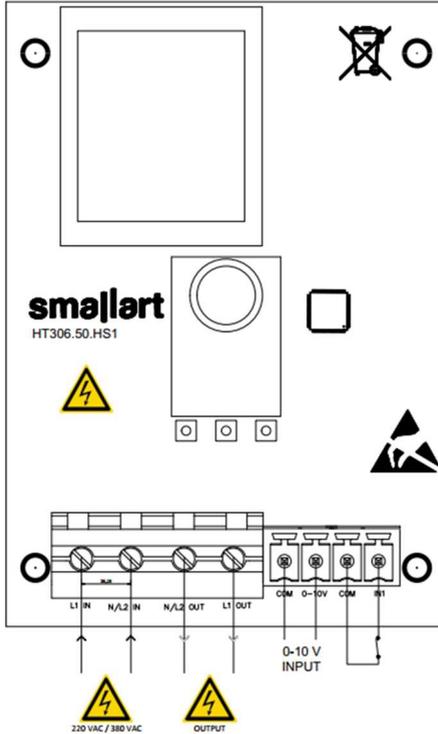
The device is suitable for surface mounting due to its structure. It is recommended to leave enough space for cable connections to the terminals of the device while mounting.

### Mounting Instructions

Please follow the instructions below during mounting.

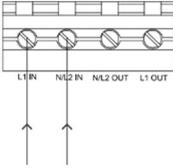
1. **Step:** Make sure the device is not powered.
2. **Step:** Make the required connections of the equipment that will be used according to the connection diagrams given below.
3. **Step:** Make sure that the connections and other settings are made correctly.
4. **Step:** Power up the device.

### Connection Diagram



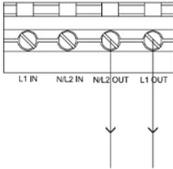
HT306 Connection Diagram

**Device Power Connections**



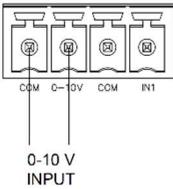
Connect the phase terminal of 220 VAC voltage to the L1 terminal and the neutral terminal to the N terminal or two of the 380 VAC voltage phase terminals to the L1 and L2 terminals.

**Heater Out**



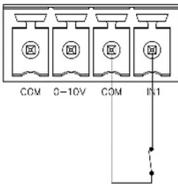
The input voltage (220V or 380V) will be switched by the triac. To make this switch, the power connections above should be made. Use N/L2 OUT and L1 OUT Terminals for load connections.

**0-10 V Input Signal**



Connect the 0-10 V input signal connection cables, as shown in the figure at left, to the active terminal and the COM terminal. Considering the current value, a maximum cable of 0.75mm<sup>2</sup> should be used.

**System Contact**



Connect the two cables of the relevant contact (thermal, DPS, On-Off, etc.) as shown in the figure at left. Considering the current value, a maximum cable of 0.75mm<sup>2</sup> should be used. If the safety contact is in an open-circuit position, the triac output will not be active.

Dimensions (mm)

