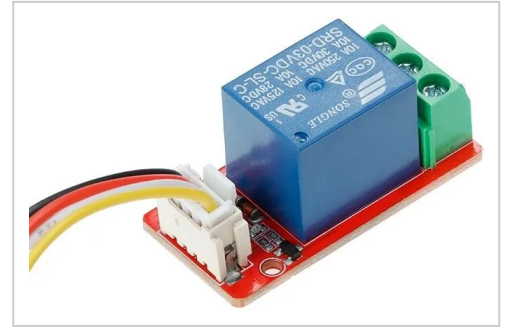




# Elecrow Crowtail Relay 2.0, JST-PH 4-pin, SPST, 5V control, 30A switching capacity, 240VAC, 30VDC



Elecrow Crowtail-Relay 2.0 The Elecrow Crowtail-Relay 2.0 is a switching module for controlling loads with high curr...

**Product number** CT0008RE

**Weight** 0.018kg

## Product description

### Elecrow Crowtail-Relay 2.0

The Elecrow Crowtail-Relay 2.0 is a switching module for controlling loads with high current consumption. It is a Single Pole Single Throw (SPST) relay that disconnects the output connections when not active and connects them when activated. The maximum switching capacity is 30A at 240VAC or 30A at 30VDC. The control voltage of the module is 5V, the nominal current consumption is 185mA. The crowtail 4-pin connection allows the module to be easily integrated into systems with 5V logic. The JST-PH 2.0 4-pin connection ensures a secure connection to microcontrollers or compatible controllers.

The relay is suitable for control tasks where high loads need to be switched, such as in home automation or heating control. The digital control connection allows connection to microcontroller platforms such as Arduino or Crowduino. One application example shows the combination with a temperature sensor to control a fan. A threshold value is defined above which the relay is activated. The fan is switched on as soon as the temperature rises above the set value.

A relay is an electronic switch that establishes or interrupts a load connection using a control current. In the case of this module, a 5V control voltage is used to trigger a switching operation that can switch high AC or DC voltages. The module is designed for a maximum current of 30A. The integrated JST-PH connection allows a standardised connection to crowtail-compatible systems, making it easier to integrate into existing projects.

### Features at a glance

- Single Pole Single Throw (SPST) relay
- Maximum switching capacity: 30A at 240VAC or 30A at 30VDC
- Control voltage: 5V
- Rated current consumption: 185mA
- Disconnects the outputs in idle state, connects them when activated
- Compact dimensions: 40.0mm x 20.0mm x 17.2mm
- Crowtail 4-pin connector for easy integration
- JST-PH 2.0 4-pin connector

### Compatibility



- Crowtail system
- Control systems with 5V logic
- Arduino boards
- Crowduino boards

#### Technical data

- Control voltage: 5V
- Rated current consumption: 185mA
- Maximum switching capacity: 30A at 240VAC or 30A at 30VDC
- Dimensions: 40.0 mm (L) x 20.0 mm (W) x 17.2 mm (H)
- Connection: Crowtail 4-pin, JST-PH 2.0 4-pin
- Relay service life: 100,000 switching cycles
- Maximum switching voltage: 120VAC / 24VDC
- Maximum switching current: 3A (for alternative operating mode according to technical specification)

#### Other data

- Use in home automation, heating control and high-performance control
- Sample code for temperature-controlled switching with Arduino available

#### Scope of delivery

- 1 x Crowtail-Relay 2.0
- 1 x Crowtail 4-pin cable

#### Links

- [Wiki page](#)
- [Circuit diagram of the relay](#)
- [Relay programme](#)

## Product properties

<b>Gross Weight (kg)</b>	0.018
<b>Zolltarifnummer</b>	84733080
<b>Country of Origin</b>	China
<b>Brand</b>	Elecrow
<b>Product ID</b>	CT0008RE
<b>Manufacturer ID</b>	CT0008RE
<b>EAN</b>	4251266710417



### More images

