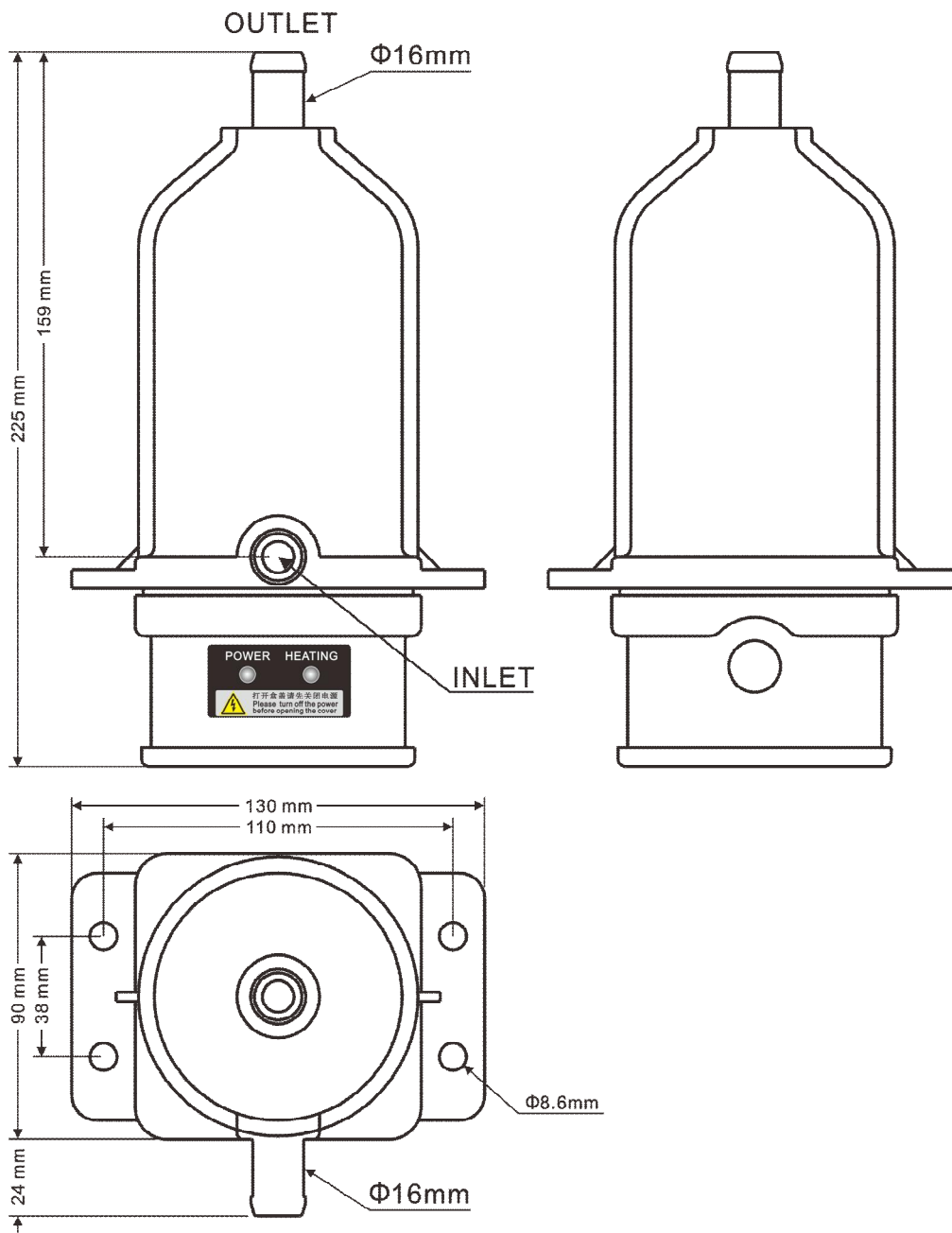


## 1 Introduction:

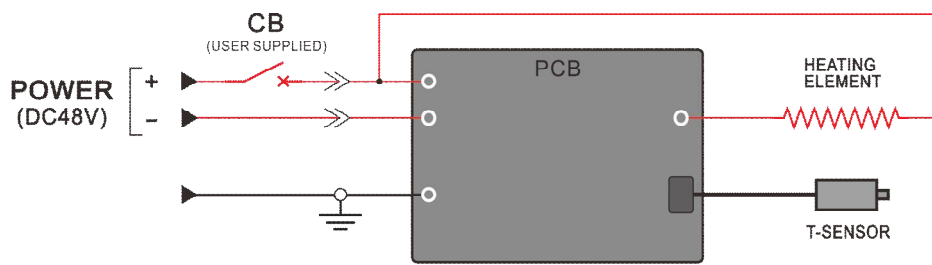
**EHA/D** small water-jacket heater is consists of heating element and temperature switches, and a type of water cooling small engines which is special designed for telecommunication stations , the power supply is DC48V. After installed heater, the engine starting ability will upgrade, reducing startup losses, reduce wear and save fuel. Feature:

- I Microcomputer temperature control
- I Precision die-cast aluminum water jacket case
- I Power source and heating status indicate lights
- I Additional rubber sleeve to reduce thermal losses
- I Compact design and installation needs less space requirement

## 2 Shape and installation dimensions:



### 3 Wiring and electrical schematics:



### 4 Installation

Installed correctly is very important for the normal work of the heater, otherwise it will damage the heater. Selection of 5/8 "(15mm) bore diameter hose.

#### Position:

- I Outlet vertically upward
- I Isolation the engine vibration
- I The heater water-jacket is setting in low position as far as possible below the engine cooling fluid.

#### Electrical connections:

- I Refer to the above wiring diagram
- I Must provide the good ground to ensure that the heater effectively grounding protection
- I User according to the power of the heater, select the appropriate main power circuit breaker to ensure the effective heater overcurrent protection.



#### Warning:

- I Heater installation and maintenance must be disconnected from the main power supply.
- I Must be installed and maintained by qualified engineers.
- I During transport and parking, if the ambient temperature causes the coolant in the heater water jacket to solidify, the coolant must be drained cleanly.

### 5 Specifications:

Model	EHA/D1005
Voltage	DC48
Power	500W
Current	10.4A
Suitable coolant volume	2L
Insulation resistance	10M $\Omega$
Voltage strength	1800V
Pressure test	$\geq 0.5$ Mpa
Protection level	IP65
Operating temperature range	-20 to 70 $^{\circ}$ C
Storage temperature range	-30 to 80 $^{\circ}$ C

(Factory default heating temperature control range is 38  $^{\circ}$ C to 49  $^{\circ}$ C)