HP86 Pressure control

Application:

HP86 pressure control is used to protect the refrigeration compressor in the refrigeration or air adjustable equipments, to avoid absorbing pressure highest or exhausting pressure lowest.

In addition, the control can be used to start or stop the refrigeration compressor and the fan of cold wind condenser.

HP86 can not only be used in chlorine freon as the cold –producing medium, but also used in air and liquid (liquid temperature: -20℃~120℃) or fire control and any micro-pressure control systems.

Operation:

The HP86 pressure control is an automatic control that runs by accepting the pressure signal. It has an setting pressure, when the system pressure is higher (or lower) than the upper limit of the control fixed value, the control will automatically cut off (or switch on) the water pump's electro circuit on one side to make the water pump shut down (or startup), and on the other side it will send out the alarm signal to inform the operator deal with the condition in time, ensure the normal operation of the system.

Adjustable range of pressure: 0~0.12Mpa M.O.P 17bar
0~0.3Mpa M.O.P 17bar
0.2~1.2Mpa M.O.P 30bar

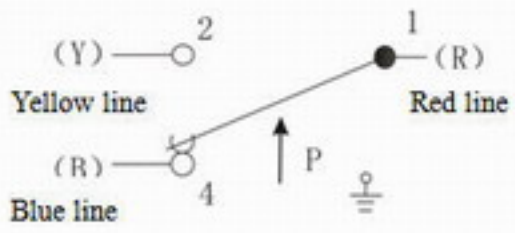
Differential pressure:≤ 0.03 Mpa **Size:** 57×47×63mm

Electric parameter:

Switch connection ratings: 5amp 125/250VAC, 1/4H.P, 125VAC Fine Silver Contacts

The micro switch has follow standards:

Wiring form:



1: common contact

1-2: close when pressure rises

1- 4: close when pressure falls

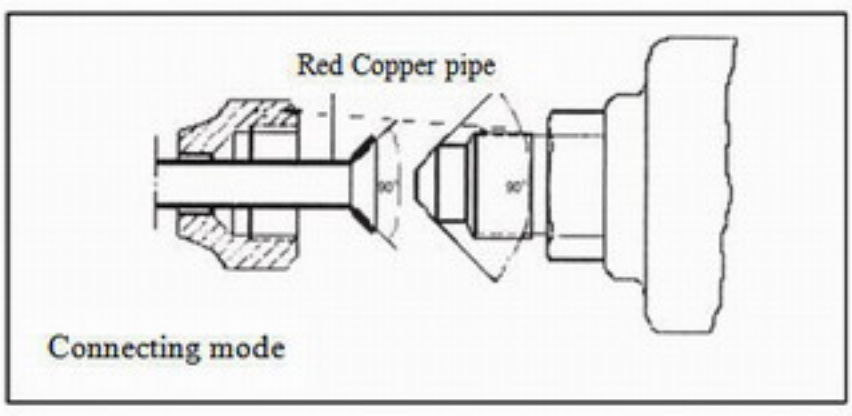
allow ↑ show the action direction while pressure increases

Installation notice

1.Make sure to read the instruction carefully before installation, and save the instruction with the control together properly.

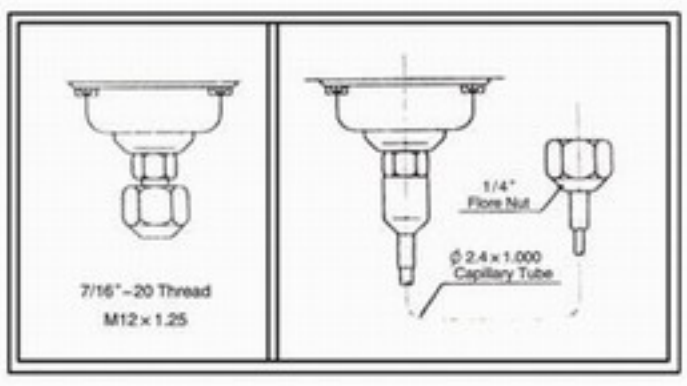
2.Before installing the control, the nut and the tie-tin of the control must use two 10"spanner

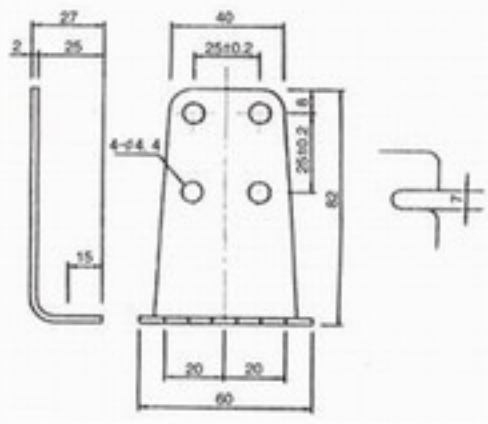
3.The product is to be installed by technicians only, the warranty becomes null and void if the instruction is disobeyed. We shall not be held liable for resultant consequential damages, thanks for your cooperate!



Connecting mode

Size for accessories





Standard Special requirements

Operational description:

Installation:

If it is connected in the capillary mode, avoid turning or twisting of the capillary

If the controller is used in the refrigerating system with ammonia as the medium, controller should be made of stainless steel bellows

Before connecting with the controller, ensure all the pipelines are clean.

Don't install the controller in any equipment with the workload exceeding the rated value of its appliances.

The ultra long capillary must be coiled and fixed appropriately in order to prevent the vibration. The capillary is permitted to be little relaxed, to prevent the capillary from cracked due to the violent vibration.

When the pipes are connected, two pieces of 10in wrenches must be used simultaneously on the nut of the controller and the connector to make it tight, to avoid destroying the components of the controller.

Wiring: when preparing to wire, ensure to cut off the power supply for preventing electric shock and damage of the equipment.

Adjusting: when screw the adjustable nut clockwise (after open the top), the value of pressure will fall. Otherwise, the value will rise.