

EXV are stepper motor driven valves for precise control of refrigerant mass flow in air conditioning, refrigeration, heat pumps, chillers and industrial process cooling applications. The Control Valves can be used as thermo-expansion duty, liquid injection duty, hot gas bypass, evaporator pressure regulator, crankcase pressure regulator, head pressure regulator, or liquid level control.

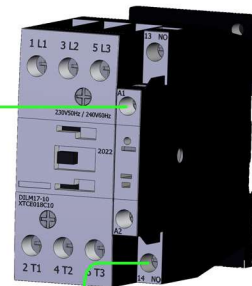
电子膨胀阀是步进电机驱动阀，用于精确调节制冷、空调、热泵、冷水机及工业冷却系统中的制冷剂质量流量。逻辑控制器可以让电膨用作膨胀阀、喷液冷却、热气旁路、蒸发压力调节阀、曲轴箱压力调节阀、冷凝压力调节阀或制冷剂液位控制。

Caution:

1. Working Ambient Temperature: $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$
2. Working Ambient Humidity: 20% ~ 90% RH
3. No gases and dust corroding metal, damaging insulation

Pressure transmitter(24Vdc)
-1~16bar $\rightarrow$ 4~20mA (Default)
0~5V or 0~10V is optional
-1~40bar $\rightarrow$ 4~20mA (Default)
0~5V or 0~10V is optional
Pressure sensor (5Vdc)
0~20bar $\rightarrow$ 0.5~4.5V (default)

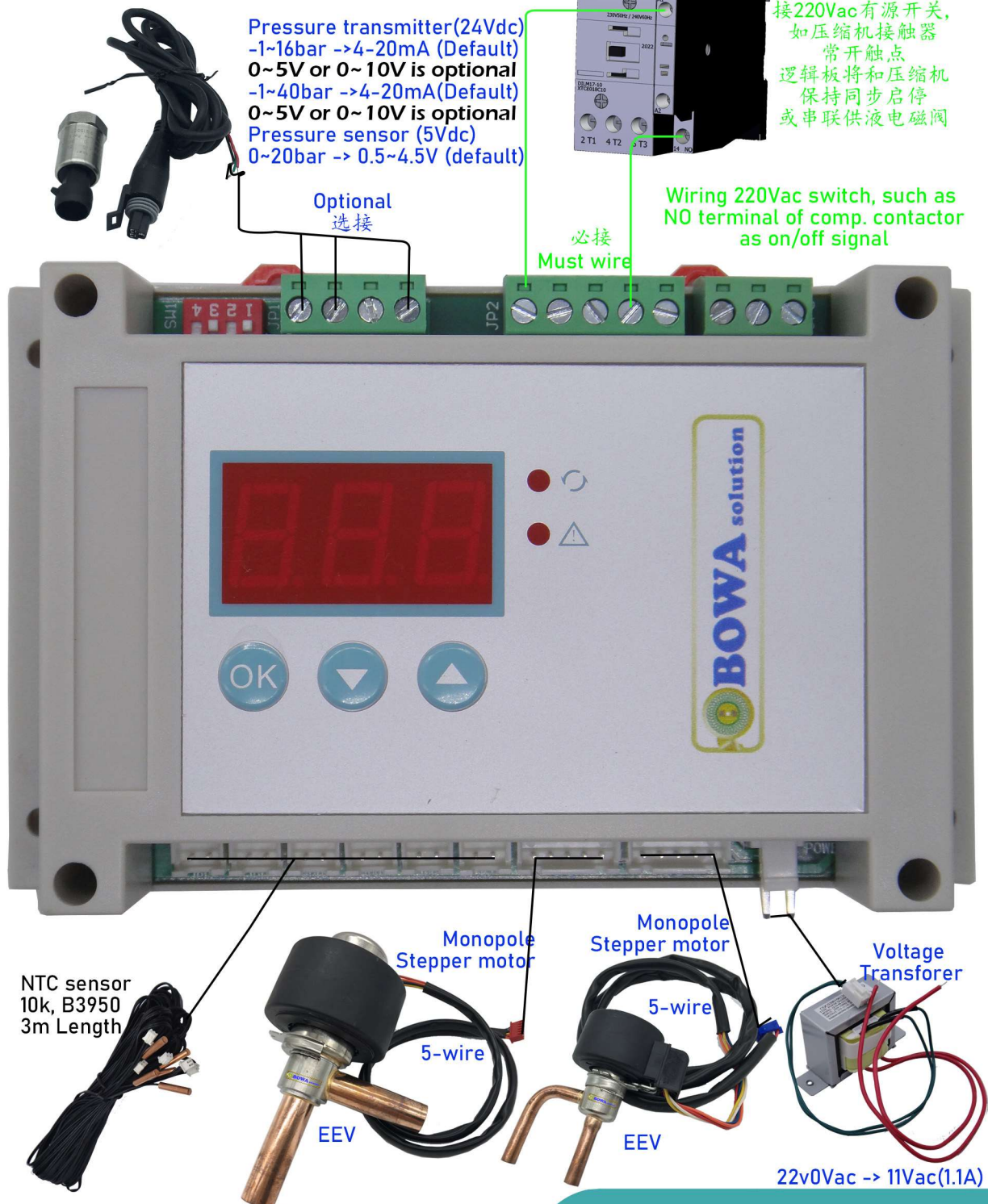
Optional
选择



接220Vac有源开关,
如压缩机接触器
常开触点
逻辑板将和压缩机
保持同步启停
或串联供液电磁阀

Wiring 220Vac switch, such as
NO terminal of comp. contactor as on/off signal

必接
Must wire



NTC sensor
10k, B3950
3m Length

Monopole
Stepper motor

Monopole
Stepper motor

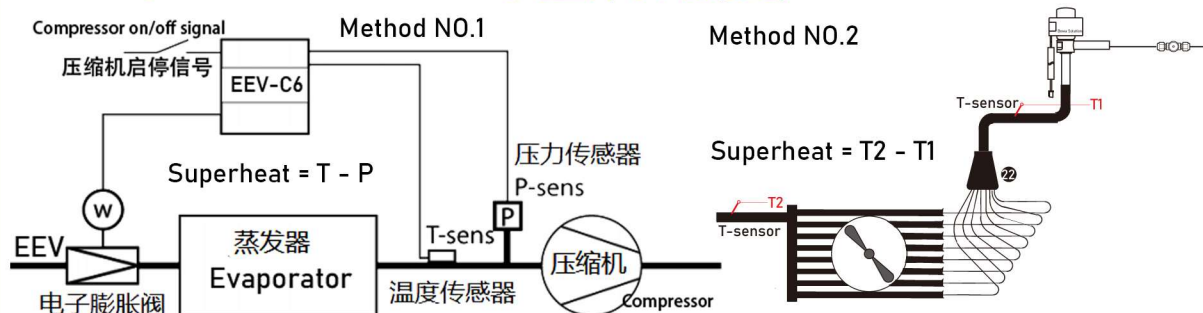
Voltage
Transformer

5-wire

5-wire

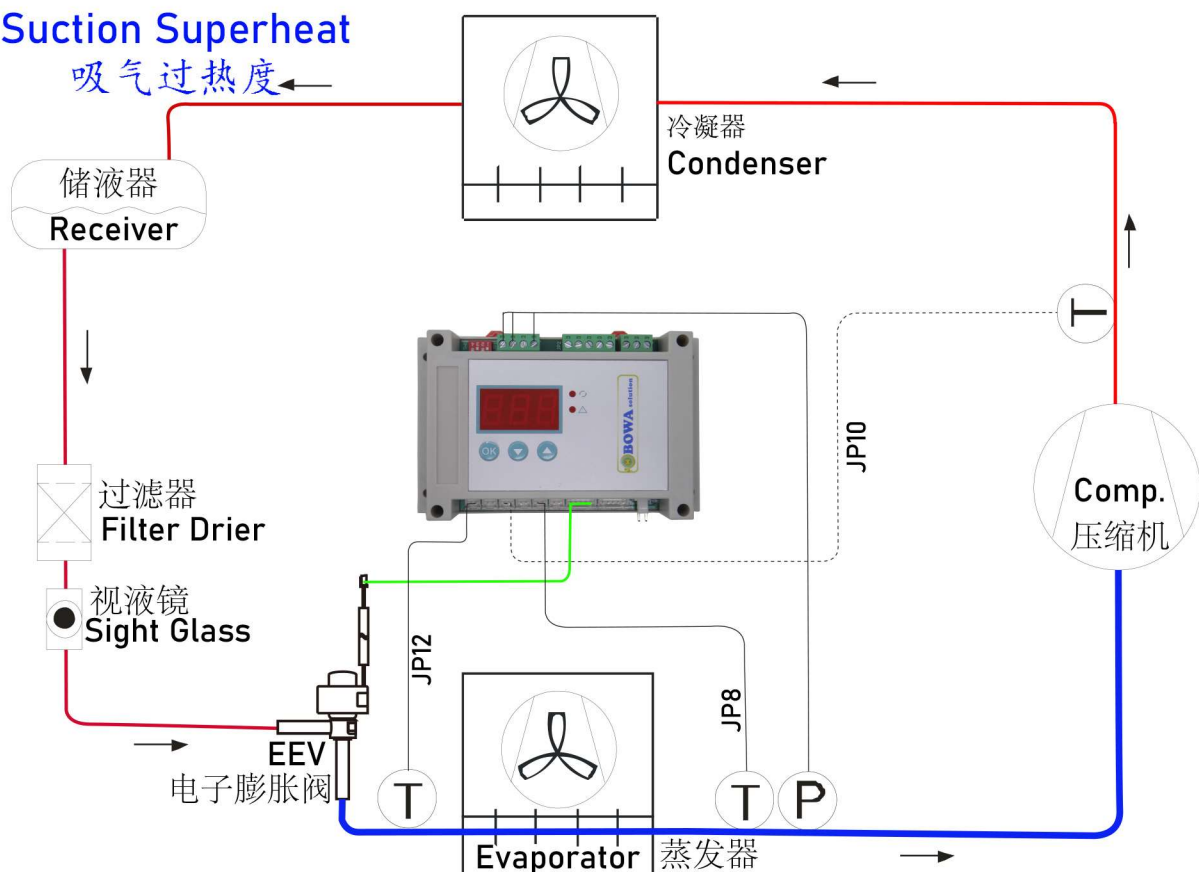
220VAC $\rightarrow$ 11VAC (1.1A)

Superheat 过热度



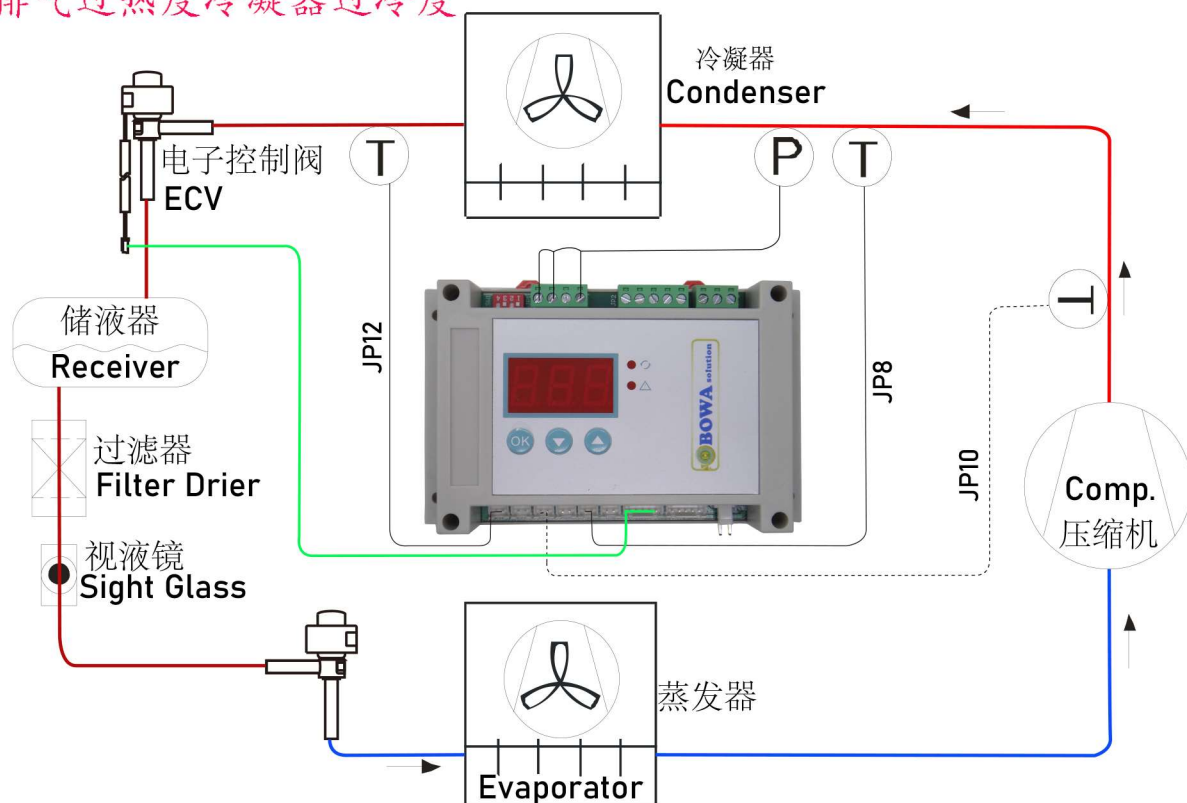
Part Nos. 产品代码	Controller 主板	Transformer 变压器	NTC Sensor 温感	Transmitter 变送器	Remark 备注
EEV-C6	1	1	×	×	Basic 基础
EEV-C6A	1	1	3	1	1 EEV driven by T2 - P
EEV-C6B	1	1	3	×	1 EEV driven by T2 - T1
EEV-C6C	1	1	6	2	2EEV driven by T2 - P
EEV-C6D	1	1	6	×	2 EEV driven by T2 - T1
EEV-C6E	1	1	1	×	1 liquid injection/EVI
EEV-C6F	1	1	2	×	2 liquid injection/EVI

Suction Superheat 吸气过热度



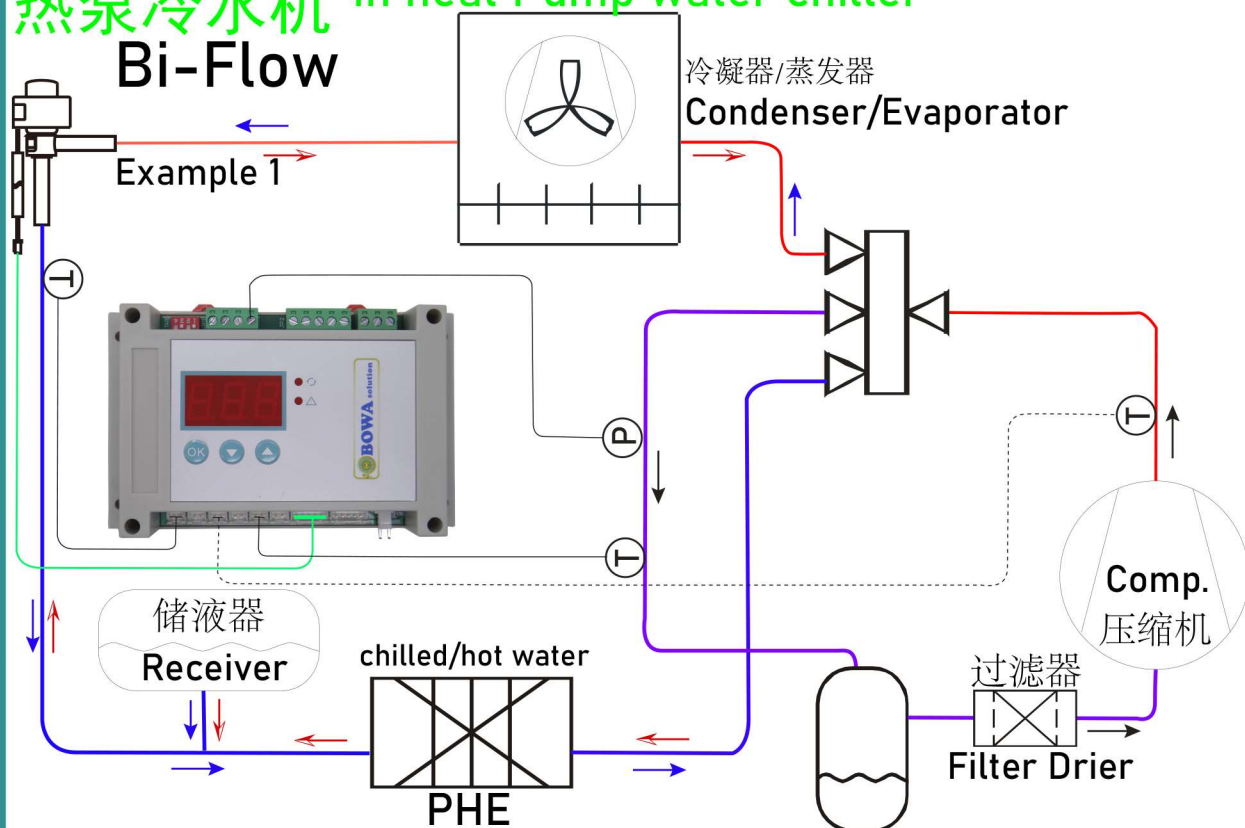
Discharge Superheat Condenser Subcool

排气过热度冷凝器过冷度

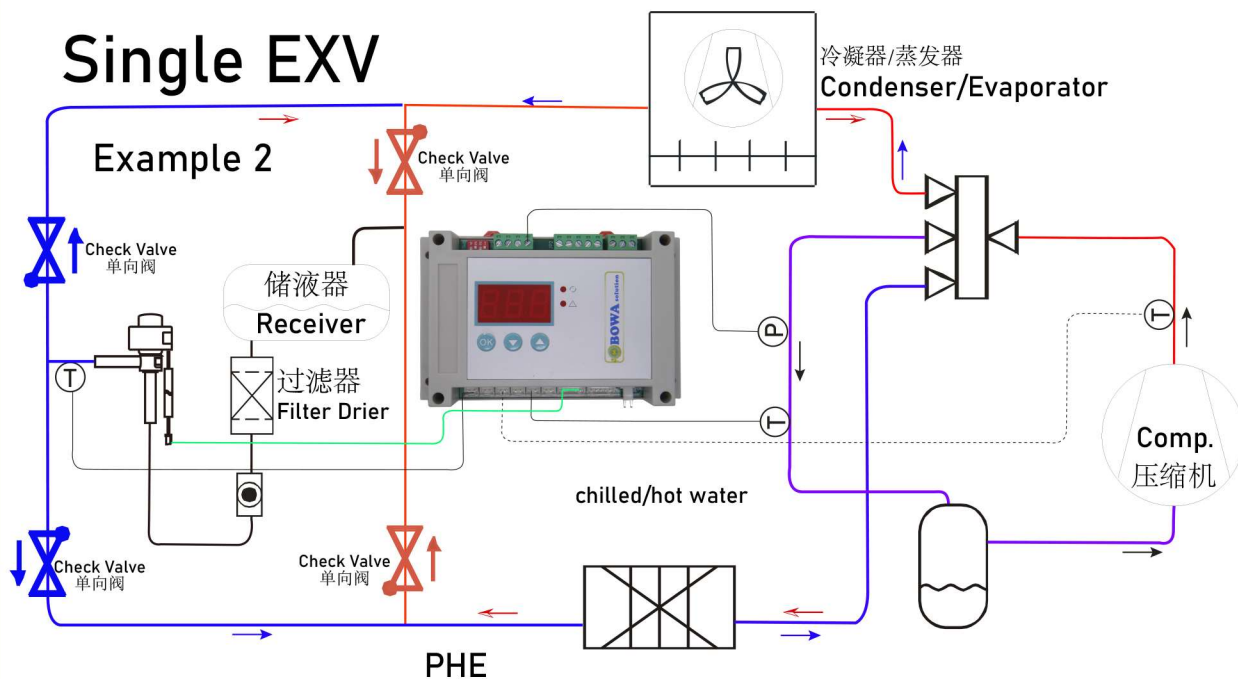


热泵冷水机 In heat Pump water chiller

Bi-Flow



Single EXV



Dual EXV

Example 3

