SEC61X SERIES EEV CONTINUED

GENERAL SPECIFICATIONS

• ADVANCED PID ALGORITHM TO ENSURE ACCURATE AUTOMATIC ADJUSTMENT OF SUPERHEAT
• ALARM FEATURE FOR LOW AND HIGH SUPERHEAT
• EASY TO INSTALL: DIN RAIL OR SURFACE MOUNT
• MAXIMIZES SYSTEM EFFICIENCY WITH PRECISE SUPERHEAT CONTROL
• ALTERNATE USE AS AN ELECTRIC VALVE DRIVER
• OPERATES SANHUA LPF OR DPF(S03) SERIES EEVS

TECHNICAL SUPPORT

For additional technical information and to learn more about Sanhua’s full product line, please visit:

sanhuausa.com

Technical information

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How Video on SEC61X

QUICK START GUIDE: SEC61X SERIES EEV

Click on the QR Code to access a How to Video on the SEC61X.

TECHNICAL LITERATURE: SEC61X SERIES EEV

Click on the QR Code to access a technical literature on the SEC61X.

QUICK START GUIDE: SEC61X SERIES EEV

The Sanhua SEC61x Series controller is a standalone controller for refrigeration and air conditioning systems. The controller can be used to operate an electric expansion valve to control superheat or discharge air temperature. It can also be used as an electric valve driver (positioner) by accepting an external signal from a main system controller.

1 DIN Slide Rail Mounting:
Mount the controller on the DIN rail by the snap on the back of the controller. Install in the electric control cabinet to avoid moisture and dust.
QUICK START GUIDE:

2 Sensors Installation:
Pressure transmitter/temperature sensor installed on the tube of evaporator outlet. If the system is divided into several evaporators, install pressure transmitter/temperature sensor at each evaporator outlet.

3 Setting the System Refrigerant in the Controller:
1. During operating status, press and hold for 3 seconds and you’ll see the Pyd screen.
2. Press until screen displays 5 which is the default password, then press to enter the parameters table list.
3. Press so that 2.Pr is displayed, then press twice and you’ll see rFy which is the system refrigerant menu.
4. Press to select the number code for your system refrigerant.
5. Press and hold for 5 seconds to save your setting and you’ll see --- which confirms the setting is stored.

SAFETY TIPS
1. Finish connecting wiring before turning on power.
2. The RUN port (compressor signal) is a passive port. If you add a voltage, it may cause the controller burn out.
3. When using a transformer, ensure minimum power of 15 VA (for 1 controller + 1 EEV).
4. Wire diameter: 28 to 16 AWG

REFRIGERANT TABLE

<table>
<thead>
<tr>
<th>0=R-22</th>
<th>5=R-507</th>
<th>10=R-513A</th>
<th>15=R-744(N20)</th>
<th>20=R-407F</th>
<th>25=R-455A</th>
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<tr>
<td>1=R-404A</td>
<td>6=R-1234ze</td>
<td>11=R-448A</td>
<td>16=R-32</td>
<td>21=R-924</td>
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<td>7=R-1234yf</td>
<td>12=R-449A</td>
<td>17=R-245fa</td>
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<td>3=R-134a</td>
<td>8=R-290</td>
<td>13=R-452A</td>
<td>18=R-23</td>
<td>23=R-407H</td>
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<tr>
<td>4=R-407C</td>
<td>9=R-450A</td>
<td>14=R-744(CO2)</td>
<td>19=R-407A</td>
<td>24=R-454C</td>
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