Controlled By Electronic Expansion Valve - Sanyo SPW-XR253GH56 Technical Data & Service Manual

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2-18 Controlled by Electronic Expansion Valve The circulation volume of the refrigerant is controlled by a pulse type electronic control When the power is switched ON, the opening degree of the electronic control valve is controlled between 90 and 480 steps after setting the initial step at the time when the thermostat is ON. Contents and Order of control Discharge gas temperature control Outdoor unit coil temperature control Freeze prevention control Refrigerant flow distribution control Discharge gas target temperature

control (Fuzzy control)

Repeat control in accordance with the priority order. Even though the energation is performed every 20 seconds, the central of discharge gas
Even though the operation is performed every 30 seconds, the control of discharge gas temperature, high load prevention, outdoor unit coil temperature and freeze <u>prevention</u>
activates when it occurs.
(1) Refrigerant flow distribution control
At the control of flexible combination (a plural number of indoor units are set), the
opening
degree of the electronic control valve is controlled by the indoor unit coil temperature.
Cooling: indoor unit coil E2 temperature (located at the middle of coil)
Heating: indoor unit coil E1 temperature (located at the outlet of coil)
(2) Fuzzy control (optimal refrigerant flow rate control)
By outputting the fuzzy estimation result corresponding to the fuzzy input variables
(the
indoor unit coil temp., the deviation between the actual discharge gas temp. and the
target
discharge gas temperature calculated from the outdoor unit coil temperature and the
change thereof), the electronic refrigerant valve is controlled so that the unit can
perform
its maximum ability in accordance with the indoor and outdoor temperature conditions
at
the operation.
Cooling Start
*
II - 19
2. Processes and functions
Heating Start Start
Discharge gas temperature control
High load prevention control Heating start up control
Refrigerant flow distribution control
Discharge gas target temperature control (Fuzzy control)
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Related Manuals for Sanyo SPW-XR253GH56

<u>Air Conditioner Sanyo SPW-X253GH56 Service Manual</u>

Air Conditioner Sanyo SPW-X483GH56 Installation Instruction

Eco multi system air conditioner (91 pages)

Air Conditioner Sanyo SPW-C256VH Technical Data & Service Manual

4-way air discharge semi-concealed wall-mounted ceiling-mounted concealed-duct (517 pages)

Air Conditioner Sanyo Big PACi 18 Series Technical Data & Service Manual

Big pack i dc inverter (275 pages)

Air Conditioner Sanyo SPW-X253G56 Service Manual

Split system (72 pages)

Air Conditioner Sanyo 2-WAY ECO-i SPW-C0705DXHN8 Service Manual

Multi system (143 pages)

<u>Air Conditioner Sanyo SPW-XR254EH56 Installation And Operation</u>
Manual

Dc inverter air conditioner (40 pages)

Air Conditioner Sanyo Mini ECO-i SPW-ASR74GXH56(A/B) Installation Instructions Manual

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Related Content for Sanyo SPW-XR253GH56

SAP-KMV91G-S Replacing Thermistors (On Outdoor Unit) For Electronic

Expansion Valves

Sanyo SAP-KMV91G-S

SPW-C483GYH8 Indoor Electronic Control Valve

Sanyo SPW-C483GYH8

SPW-T253GH56 Electronic Refrigerant Control Valve

Sanyo SPW-T253GH56

SPW-U253GH56 Electronic Refrigerant Control Valve

Sanyo SPW-U253GH56

SPW-X253GH56 Electronic Refrigerant Control Valve

Sanyo SPW-X253GH56

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Sanyo SPW-C1155DXHN8

SPW-CR365GXH56 I Checking The Central Control Addresses And

Operating The Units That Are Controlled By The Schedule Timer

Sanyo SPW-CR365GXH56

KHS3632 / CH3632 Electronic Refrigerant Control Valve

Sanyo KHS3632 / CH3632

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