Midea Commercial Air Conditioner Malfunction Handbook

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Customer Service Philosophy of Midea Air Conditioner

Service Target: 100% Customer Satisfaction

Service Standard: 100% Earnestness

Service Tenet: Customer First Forever

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I. Error Indication of MDV Indoor Units

LED Flash	Definition of Error or Protection
RUN Indicator Flash, Slowly	Standby
RUN Indicator Constantly On	Operation
Pre-heating/Defrosting Indicator Constantly On	Anti-cooling or Defrosting
Timing Indicator Constantly On	Start up Timing Function
RUN Indicator Flash, Quickly	Error in Any Temperature Sensor in Indoor Unit

Timing Indicator Flash, Quickly	Communication Error between Indoor
	Units and Outdoor Unit
Pre-heating/Defrosting Indicator Flash, Quickly	Mode Conflict
Alarm Indicator Flash, Quickly	Water Level Alarm
Alarm Indicator Flash, Slowly	Outdoor Unit Error

II. Error Indication of Midea Digital Scroll A/C

1. Error Indication of Digital Scroll Unit D3 (D4)

Display	Definition of Error or Protection	Remark	
Content	Delimition of Endrof Protection	Remark	
ΕO	Communication Error between	Only Displayed on	
E0	Outdoor Units	Principal Unit	
E1	Phase-sequence Protection		
F2	Communication Error between Indoor		
E2	Units and Outdoor Unit		

E3	T3 Tube Temperature Sensor Error	
E4	T4 Ambient Temperature Sensor	
□ 4	Error	
E5	Digital Discharge Temperature	
□ □ □	Sensor Error	
E8	Outdoor Address Error	
H0	Mode Conflict Error (D3 R410a)	
H1	Communication Error between Chips	
H2	Reduction in the Number of Outdoors	Only Displayed on

	Units	Master Unit
H3	Increase in the Number of Outdoor	Only Displayed on
ПЭ	Units	Master Unit
P1	High-voltage Protection	
P2	Low-voltage Protection	
P3	Over-current Protection of Digital	
F3	Scroll Compressor	

D4	Over-high Discharge Temperature	
P4	Protection of Compressor	
P5	High Tube Temperature Protection of	
P 5	Outdoor Condenser	
P7	Current Protection of NO.1 Fixed	
F /	Compressor	
P8	Current Protection of NO. 2 Fixed	
	Compressor	

2. MDV-D540 (560, 580, 820, 840, 860) W/S-820

Error Indication of Outdoor Main Control Board DSP1 (Digital Tube)

Display Content of Digital Tube	Definition of Error or Protection	
Quantity of Indoor Unit	Standby	
Capability Demand of Indoor		
Units	Normal Operation	
dF	Defrosting	

P1	High-voltage Protection
P2	Low-voltage Protection
P3	Current Protection of Compressor
P4	Discharge Temperature Protection of Compressor
High Temperature Protection of Outo	
E0	Communication Error between Outdoor Units

E1	Phase-sequence Error
E2	Communication Error between Indoor Units
	and Outdoor Unit
E3	Outdoor Tube Temperature Sensor Error
E4	Outdoor Ambient Temperature Sensor Error
E5	Discharge Temperature Sensor Error
E6	Water Level Alarm Error
E7	Inlet Temperature Sensor Error of
	Condenser for Master Unit

3. MDV-D280 (220) W/S-810

Error Indication of Outdoor Main Control Board DSP1 (Digital Tube)

Display Content of Digital Tube	Definition of Error or Protection	
	Standby	
Capability Demand of Indoor Unit	Operation	
dF	Defrosting	

P1	High-voltage Protection
P2	Low-voltage Protection
P3	Current Protection of Compressor
P4	Discharge Temperature Protection of Compressor
P5	High Temperature Protection of Outdoor Condenser
E1	Phase-sequence Error

E2	Communication Error between Indoor Units and Outdoor Unit	
E3	E3 Outdoor Tube Temperature Sensor Error	
E4	Outdoor Ambient Temperature Sensor Error	
E5	E5 Discharge Temperature Sensor Error	
E6	Water Level Alarm Error	

III. Error Indication of Intelligent Variable Frequency Central Air Conditioner

1. Error Indication of V3 (V4) Intelligent Variable Frequency Unit

Display	Definition of Error or Drotoction	Domark
Content	Definition of Error or Protection	Remark
E0	Communication Error between	Only Displayed
EU	Outdoor Units	on Master Unit
E1	Phase-sequence Error	
E2	Communication Error between Indoor	

	Units and Master Unit	
E2 or E4	Ambient Temperature or Tube	
E3 or E4	Temperature Sensor Error	
E8	Outdoor Unit Address Error	
E9	Voltage Error	
H0	Communication Error between DSP	
110	and 780034	
H1	Communication Error between 9177	

	and 780034	
шо	Reduction in the Number of Outdoor	Only Displayed
H2	Units	on Master Unit
H3	Increase in the Number of Outdoor	Only Displayed
	Units	on Master Unit
P0	Temperature Protection of Top Part of	
PU	Inverter Compressor	
P1	High-voltage Protection	

P2	Low-voltage Protection	
D2	Over Current Protection of Inverter	
P3	Compressor	
D/I	Over-high DischargeTemperature	
P4	Protection	
P5	High Tube Temperature Protection	
P6	Module Protection	
P7	Current Protection of NO.1 Fixed	

	Compressor	
P8	Current Protection of NO.2 Fixed	
	Compressor	

2. MDV-J280W/S-810(811)

Display Content	Definition of Error or Protection
	Standby
Operating Frequency of Compressor	Normal Operation
dF	Defrosting
P1	High-voltage Protection

P2	Low-voltage Protection	
P3	Current Protection of Compressor	
P4	Discharge Temperature Protection of Compressor	
P5	High Temperature Protection of Outdoor Condenser	
P6	Module Protection	
E1	Phase-sequence Error	

E2	Communication Error between Indoor Units and Outdoor Unit
E3	Communication Error between outdoor PCB and Inverter Module
E4	Ambient Temperature Sensor Error
E5	Voltage Protection
E6	Water Level Alarm Error

3. MDV-280W/BS

Spot Inspection Error Information

Spot Inspection Code	Error Content
99	Terminal Blocks of Wire Controller
A0	Loop of Outlet Temperature Sensor (TD1)
A1	Loop of Outlet Temperature Sensor (TD2)
A2	Loop of Inlet Temperature Sensor (TS)
18	Loop of Outdoor Heat Exchanger Sensor (TE)

AA	Loop of High Pressure Sensor (Pd)
B4	Loop of Low Pressure Sensor (Ps)
1C	Interface Substrate Loop
22	High Voltage Protection Action (Sensor Pd)
E6	Phase-sequence Error of Power Supply
95	Communication Loop of Indoor and Outdoor
96	Inconsistency Detection of Indoor and Outdoor Address
A6	Protection Action of Outlet Temperature (TD1)

bb	Protection Action of Outlet Temperature (TD2)	
AE	Protection Action of Discharge Temperature (TD1) during Low Frequency	
A7	Protection Action of Inlet Temperature	
Ab	Wiring Error of Pressure Sensor (Pd, Ps)	
89	The capability of indoor unit connected is transfinite.	

Spot Inspection Error Information of Indoor Unit

0b	Drainage System of Suction Pump
0c	Loop of Room Temperature Sensor (TA)
11	Motor Loop
12	Loop of Indoor Substrate
93	Loop of Indoor Heat Exchanger (Tc1)
94	Loop of Indoor Heat Exchanger (Tc2)
95	Outdoor Unit Communication Loop

97	Communication Loop of Centralized Management
98	Address Setting of Centralized Management
9A	Wiring Error of Indoor Equipment, Connection Error
b5	
b6	External Chain Display
b9	Indoor Sensor Loop

Spot Inspection Error Information of Frequency Converter Plate

Error Content	Spot Inspection Information	
14	Over-current Protection of Frequency Converter	
1d	Compressor System Loop	
1F	Current Detection Loop	
21	High-voltage Switch Loop of Frequency Converter Side	
17	Current Transformer Loop	

- IV. Error Indication of MDV Home Central Air Conditioner
- 1. MDV (H)-J140(120, 80)W-510(511) and MDV(H)-J160 (180)W(/S)-720 Free Frequency Converter
- Error Indication of Outdoor Main Control Board DSP1 (Digital

Tube)

LED Display	Content	
E1	Phase-sequence Error	
E2	Communication Error between Indoor Unit and Outdoor Unit	
E3	Communication Error between PCB and inverter module	
E4	Outdoor Temperature Sensor Error	
E5	Voltage Protection Error	
H0	Mismatching Error of Indoor Units	
P1	High-voltage Protection	
P2	Low-voltage Protection	

P3	Current Protection of Compressor
P4	Discharge Temperature Protection
P5	High-temperature Protection of Condenser
P6	Module Protection

2. MDV (H) -D100 (120) (/S)-510

Error Code Display of Outdoor Unit

LED Display	Content	
Quantity of Indoor Units	Standby	
Capability Demand of		
Indoor Unit	Normal Operation	
dF	Period of Defrosting	
E1	Phase-sequence Protection (only 5HP unit has)	

E2	Communication Error between Indoor Units
	and Outdoor Unit
E3	Outdoor Tube Temperature Error
E4	Outdoor Ambient Temperature Sensor Error
E5	Discharge Temperature Sensor Error of
	Compressor
H0	Mismatching Error of Indoor Units
P1	High-voltage Protection

P2	Low-voltage Protection
P3	Current Protection of Compressor
P4	Discharge Temperature Protection
P5	High-temperature protection of Condenser

3. Error Code List of Novel M-home Series Digital Indoor Unit

Display (LED)	Display	Definition of Error	
Timing Indicator LED2	E 4	Communication Error between	
Flash, Quickly	E1	Indoor Units and Outdoor Unit	
RUN Indicator LED1 Flash,	E2	Room Temperrature Sensor Error	
Quickly	E2		
RUN Indicator LED1 Flash,	E3	Tuba Tamparatura Sancar Error	
Quickly	ES	Tube Temperature Sensor Error	
RUN Indicator LED1 Flash,	E4	Tube Temperature Sensor Error	

Quickly			
Alarm Indicator LED4	EE	Water Level Alarm Error	
Flash, Quickly		vvaler Level Alann Enor	
RUN Indicator LED1 Flash,	E7	EEDDOM E	
Slowly		EEPROM Error	
Defrosting Indicator LED3	E0	Model Conflict Error	
Flash, Quickly		Model Cornilict Error	
Alarm Indicator LED4	Ed	Outdoor Unit Error	
Flash, Slowly	Eu	Outdoor Offic Effor	

Four LED Indicators Flash,	E4	Mismatching Error of Indoor Units
Simultaneously	Ed	and Outdoor Unit

4. Error Code List of Novel Home Digital Water Chiller

Display	Definition of Error						
E0	Detection Error of Water Flow						
E1	Pahse-sequence Error						
E2	Communication Error between Indoor Units and Outdoor Unit						
E3	Backwater Temperature Sensor Error						
E4	Outdoor Ambient Temperature Sensor Error						
E5	Outlet Water Temperature Sensor Error						

E6	Tube Temperature Sensor Error of Condenser					
E7	Temperature Sensor Error 1of Plate Exchanger					
E8	Temperature Sensor Error 2 of Plate Exchanger					
E9	Digital Compressor Discharge (Dispaly E4 on Wire Controller)					
P0	Current Protection of System					
P1	High-voltage Protection					
P2	Low-voltage Protection					
P3	Discharge Temperature Protection					

P4	Temperature Difference Protection of Inlet and Outlet Water					
P5	High-temperature Protection of System Condenser					
P6	Low-temperature Protection of Plate Exchanger					
Pb	Anti-Freezing Protection of System					
	Temperature Difference Protection of Inlet and Outlet Water (3 times					
P8	within one hour, power on anew)					
	Dispaly P4 on Wire Controller					

5. MDV-J110 ~MDV-J160 AC Inverter

Error Indication of Outdoor Unit

LED4	LED3	LED2	LED1	LED0	Definition of Error or Protection	
X	V	V			Normal Status	
^	X	X X	X O	O	(Compressor is shut down)	
0	0		O X	V		Normal Status
		^	X	Ο	(Compressor is operating)	
X	Х	X	0	\Rightarrow	Module Error	
X	Х	0	Х	\Rightarrow	Temperature Protection of Top	

					part of Compressor					
V	0	V	V		Room Temperature or Inner					
X	0	X	X	$\stackrel{\wedge}{\swarrow}$	Tube Temperature Sensor Error					
0	X	\	_		X X	X		Outdoor Temperature Sensor		
	^	^	X	^			^	^	^	^
	0	V			O		Discharge Temperature			
X	O	X		$\stackrel{\wedge}{\sim}$	Protection					
0	V	V	0				0		High-temperature Protection of	
	X	X		$\stackrel{\wedge}{\sim}$	Indoor Heat Exchanger					

X	Ο	Ο	X	\Rightarrow	Over-voltage or Short-voltage Error
0	X	0	X	\Rightarrow	Current Protection
0	Ο	X	X	\Rightarrow	Low-temperature Protection of Indoor Heat Exchanger (Freezing Prevention Protection)
О	0	X	О	\Rightarrow	Communication Error between Outdoor Plate and Frequency Converter Plate
0	0	0	X	\Rightarrow	Communication Error between Indoor Plate and Outdoor Plate
X	X	Х	X	\Rightarrow	High-temperature Protection of Outdoor Heat Exchanger

0	Ο	Ο	Ο	\Rightarrow	Protection for the Disconnection of Temperature Fuse
X	X	0	0	\bigstar	Over-low or Over-high Outdoor Ambient Temperature (Cancelled)

⁻O (On)/ -X(Off) / -☆(Flash)

Error Indication of Display Board for Indoor Unit

Defrosting and Preheating Indicator Flash at 0.2Hz Anti-cold fan		
Timing Indicator and Defrosting Indicator Flash at 5Hz, Simultaneously	Mode Conflict	
Timing Indicator Flash at 5Hz	Room Temperature Sensor Error	
Automatic Indicator Flash at 5Hz	Evaporator Sensor Error	
RUN Indicator Flash at 5 Hz	Burnt out of	

	Temperature Fuse
Defrecting Indicator Flach at 5Hz	Communication Error
Defrosting Indicator Flash at 5Hz	of Indoor Units
RUN Indicator LED1, Timing Indicator LED2,	
Automatic Indicator LED3 and Defrosting and	Outdoor Error
Preheating Indicator LED4 Flash at 0.2 Hz,	
Simultaneously	

Error Indication of Indoor Unit with Variable-frequency "One-Drivers-Two" System

LED Display	Definition of Error or Protection
RUN Indicator Flash, Slowly	Initial Power On
RUN Indicator On	Start up Single Unit
RUN Indicator of Principal Unit Flash, Slowly	Start up Double Units
Preheating/Defrosting Indicator On	Period of Cold Air Prevention

Timing Indicator On	Timing Setting
Timing Indicator Flash	Room Temperature Sensor is Abnormal
Automatic Indicator Flash	Evaporator Sensor is Abnormal
Preheating/Defrosting Indicator Flash	Communication Error
Four Indicators Flash, Simultaneously	Outdoor Unit Error

6. Variable- Frequency Water System Home Central Air Conditioner

What displayed on the integrated controller (KJR-07B) of Midea variable frequency water chiller is only simple code, but not the real error code. The real error code is shown on the signaling transfer board of outdoor unit.

Error Codes of Wire Controller

LED	Content	
Display		
E0	Parameter Error	
E1	Communication Error of Outdoor Unit	
E2	Outlet Water Temperature Sensor Error	

E3	Outdoor Fixed-frequency System Heat Exchanger Sensor
	Error
E4	Refrigerant Inlet Sensor Error of Plate-type Heat Exchanger
<u></u>	Side by Variable Frequency System
E5	Refrigerant Inlet Sensor Error of Plate-type Heat Exchanger
	Side by Fixed Frequency System
E6	Outdoor Heat Exchanger Sensor or Temperature Sensor (T4)
	Error of Variable Frequency System
E7	Communication Error of Wire Controller

P0	Temperature Protection of Top Part of Compressor
P1	Pump Mode (Prevent pump being frozen)
P2	Hydraulic Pressure Protection of Inlet Water
P3	Module Protection
P4	Current Protection
P5	Voltage Protection
P6	Freezing Prevention Protection of Fixed-frequency System
P7	High-temperature Protection of Fixed-frequency Compressor
	and Condenser

P8	Over-high Discharge Temperature Protection
P9	Freezing Prevention Protection of Variable-frequency System
PA	High-temperature Protection of Heat Exchanger (None)
PB	High-temperature Protection of Variable-frequency
PD	Compressor and Condenser

As for the variable frequency water chiller being produced after 2005, signaling transfer board is cancelled in outdoor unit, while LED digital tube is added.

Error Codes for Integrated Controller of Variable Frequency Water Chiller or Digital Tube of Outdoor Unit:

LED	Caratanat
Display	Content
P0	Current Protection
P1	Temperature Protection of Top Part of Compressor
P2	Discharge Temperature Protection of Compressor
P3	Module Protection
P4	Voltage Protection
P5	High-temperature Protection of Frequency Converter Tube
P6	High-temperature Protection of Fixed Frequency Tube

Pb	Freezing Prevention Protection
E0	Detection Error of Water Flow
E1	EEPROM Error
E2	Communication Error between Integrated Controller and
	Outdoor Unit
E3	Communication Error of Outdoor Frequency Converter
E4	T4 or T3BP Error
E5	Temperature Sensor Error of Outlet Water
E6	T3DP Error

E7	Temperature Sensor 1 Error of Plate Exchanger
E8	Temperature Sensor 2 Error of Plate Exchanger
E9	Error Codes of Integrated Controller
H0	EEPROM Error
H1	Error of Room Temperature T1
H2	Communication Error between Integrated Controller and
	Outdoor Unit
H3	Model Conflicts between Integrated Controller and Principal
	Unit

7. KFR-61T2W/BP or KFR-40×2W/BP-510T2

LED Display	Content
Timing Indicator and Defrosting Indicator Off, RUN Indicator Flash	Indoor Tube Temperature Error
Timing Indicator and Defrosting Indicator Flash, RUN Indicator Flash, Alternate Flash	Communication Error between Indoor Units and Outdoor Unit
Timing Indicator, RUN Indicator and Defrosting Indicator Flash	Overloading Protection of Compressor (Temperature of top part

	exceeds 120°C)	
Defrosting Indicator, RUN Indicator	Module Protection	
and Timing Indicator Flash		
Timing Indicator On, RUN Indicator	Lisab /Laura Maltagra Allama	
and Defrosting Indicator Flash	High/Low Voltage Alarm	
Defrosting Indicator On, RUN	Outdoor Temperature Sensor Error	
Indicator and Timing Indicator Flash		
Timing Indicator Off, Defrosting	Defrosting	
Indicator On, RUN Indicator Flash		

at 1.5Hz	
Timing Indicator On, Defrosting	
Indicator Unknown, RUN Indicator	Plasma Dedusting Mark
Flash at 1.5Hz	

Direct-Current Variable-Frequency One-to-Any Air Conditioner with One Group of Tube

Display	Definition of Error or Protection
Content	
E0	EEPROM Error
E2	Communication Error between Indoor Chips and Outdoor
	Chip
E3	Communication Error between Outdoor Chip and DSP
E4	Ambient Temperature Sensor Error

E5	Voltage Protection of Compressor
P0	Temperature Protection of Top Part
P1	High-voltage Protection
P2	Low-voltage Protection
P3	Current Protection of Compressor
P4	Discharge Temperature Protection
P5	High-temperature Protection of Outdoor Condenser
P6	Module Protection

DC Inverter "One-to-Two" or "One-to-Three" Air Conditioner with Several Groups of Tube

Display Content	Definition of Error or Protection
E0	EEPROM Parameter Error
E1	Temperature Sensor Error of 1# Indoor Evaporator Outlet
E2	Temperature Sensor Error of 2# Indoor Evaporator Outlet
E3	Temperature Sensor Error of 3# Indoor Evaporator Outlet
E4	Ambient Temperature Sensor Error

E5	Voltage Protection of Compressor
E6	Pre-reserved
E7	Communication Error of Outdoor Frequency Converter
P0	Temperature Protection of Top Part
P1	High-voltage Protection (Pre-reserved)
P2	Low-voltage Protection (Pre-reserved)
P3	Current Protection of Compressor
P4	Module Protection

P5	Ambient Low-Temperature Protection
P6	High-temperature Protection of Outdoor Condenser
P7	Pre-reserved

DC Variable-Frequency "One-to-Four" Air Conditioner with Several Groups of Tube

Display	Definition of Error or Protection
Content	
E0	EEPROM Parameter Error
E1	Temperature Sensor Error of 1# Indoor Evaporator Outlet
E2	Temperature Sensor Error of 2# Indoor Evaporator Outlet
E3	Temperature Sensor Error of 3# Indoor Evaporator Outlet

E4	Ambient Temperature and Tube Temperature Sensor
	Error
E5	Voltage Protection
E6	Temperature Sensor Error of 4# Indoor Evaporator Outlet
E7	Communication Error between DSP and 780034
P0	Temperature Protection for Top of Inverter Compressor
P1	High-voltage Protection
P2	Low-voltage Protection

P3	Current Protection of Frequency Converter
P4	Module Protection
P5	Ambient Low-Temperature Protection
P6	High-temperature Protection of Outdoor Condenser
P7	Pre-reserved
P8	Pre-reserved

V. Error Indication of Unitary Central Air Conditioner

1. Error Code List for Ordinary "One-to-One"

Error Code Indication of Indoor Unit

LED Flash	Definition of Error or Protection
All indicators flash at 5Hz	Neutral line has not been connected to the PRO port on
	indoor electric control panel, or optical coupler on
	circuit wafer has been damaged.
Timing indicator	Room Temperature Sensor Error
flashes at 5Hz	

Run indicator	Tomporature Sangar Error of Evaporator
flashes at 5Hz	Temperature Sensor Error of Evaporator
Defrosting	
indicator flashes	Temperature Sensor Error of Condenser
at 5Hz	
Warning indicator	Detection Error of Water Level Switch
flashes at 5Hz	Detection End of Water Level Switch

LED Error Indication of Outdoor Main Control Board

1) LED Error List for 3HP Detection Panel of Outdoor Phase-sequence

Symptom			Definition of Error or Protection
LED1	LED2	LED3	Delimition of End of Protection
Off	Off	On	Normal
On	Off	On	Phase-sequence is reversed.
Off	On	On	Over Current
On	On	On	Phase-loss
On	On	On	Pressure Protection

2) LED Error List for 5HP Outdoor Main Control Panel

Symptom			Definition of Error or Protection
LED1	LED2	LED3	Delimition of Endroi Protection
Flash	Off	Off	Phase-loss, or Phase-sequence is reversed.
Flash	Flash	Off	High/Low Pressure Protection
Off	Off	Flash	Over Current
Off	Flash	Flash	T3 Open Circuit or Short circuit Error
Off	Flash	Off	T4 Open Circuit or Short circuit Error
Flash	Flash	Flash	High Temperature Protection of Condenser

2. Error Code List for Novel Four-way Cassette

	Definition of				
Operating	Timing	Defrosting	Full-water	Error	Error or
On	On	On	On	Code	Protection
					Room
X	\Rightarrow	X	X	E2	Temperature
					Sensor Error
\Rightarrow	X	X	X	E3	Temperature
					Sensor Error of

					Evaporator
					Temperature
X	X	\Rightarrow	X	E4	Sensor Error of
					Condenser
					Temperature
\Rightarrow	X	X	\Rightarrow	E5	Sensor Error of
					Water Pump
٨	٨		٨	F0	Outdoor Unit
$\stackrel{\wedge}{\sim}$	$\stackrel{\bigstar}{\swarrow}$	$\stackrel{\wedge}{\swarrow}$	\swarrow	E6	Error

\Rightarrow	\Rightarrow	X	X	E7	EEPROM Error
X	X	X	\Rightarrow	E8	Full-water Error

(X indicates that the indicator is Off, \Leftrightarrow indicates that the indicator flashes at 5Hz.)

(X indicates that the indicator is Off, \Leftrightarrow indicates that the indicator flashes at 5Hz.)

3. Error Code List for 10HP Cabinet Unit

Display Content	Definition of Error or Protection
Error Icon E1 On	T1 Open Circuit or Short Circuit Error
Error Icon E2 On	T2 Open Circuit or Short Circuit Error
Error Icon P1 On	T2 Low Temperature Protection under Cooling Model
Error Icon P2 On	T2 High Temperature Protection under Heating Model

4. Error Indication of 20HP Medium Static-pressure (Outdoor Unit)

Symptom			Definition of Error or Protection	
LED1	LED2	LED3	Definition of Error of Protection	
Flash	Off	Off	Communication Error	
Flash	Flash	Off	Low-pressure Protection	
Off	Off	Flash	Open Circuit or Short Circuit Error of Room	
		riadii	Temperature	
Off	Flash	Flash	High Temperature Protection of Condenser	

Flash	Flash	Flash	Phase-lacking or Phase-sequence is reversed.
Off	Flash	Off	T3 Open Circuit or Short Circuit Error
Flash	Off	Flash	None

53/71 DC Inverter "One-to-One" Air Conditioner

Display	Definition of Europe on Ductocking
Content	Definition of Error or Protection
E0	EEPROM Error
E2	Communication Error between Indoor Chip and Outdoor
	Chip
E3	Communication Error between Outdoor Chip and DSP
E4	Ambient Temperature Sensor Error

E5	Voltage Protection of Compressor
P0	Temperature Protection of Top Part
P1	High-voltage Protection
P2	Low-voltage Protection
P3	Current Protection of Compressor
P4	Discharge Temperature Protection
P5	High Temperature Protection for Outdoor Condenser
P6	Module Protection

90/105/140 Single-Phase Direct-Current Variable-Frequency

"One-to-One" Air Conditioner

Display	Definition of Error or Protection
Content	Delimition of Error of Protection
E0	EEPROM Error
E2	Communication Error between Indoor Chip and Outdoor
□Z	Chip
E3	Communication Error between Outdoor Chip and DSP

E4	Ambient Temperature Sensor Error
E5	Voltage Protection of Compressor
E6	PFC Module Protection
P0	Temperature Protection of Top Part
P1	High-voltage Protection
P2	Low-voltage Protection
P3	Current Protection of Compressor
P4	Discharge Temperature Protection

P5	High Temperature Protection for Outdoor Condenser	
P6	Module Protection	

105/140/160 Three-Phase DC Inverter "One-to-One" Air Conditioner

Display	Definition of Error or Protection
Content	Delimition of Error of Protection
E0	EEPROM Error
E2	Communication Error between Indoor Chip and Outdoor
	Chip
E3	Communication Error between Outdoor Chip and DSP
E4 Ambient Temperature Sensor Error	
E5	Voltage Protection of Compressor

P0	Temperature Protection of Top Part
P1	High-voltage Protection
P2	Low-voltage Protection
P3	Current Protection of Compressor
P4	Discharge Temperature Protection
P5	High Temperature Protection for Outdoor Condenser
P6	Module Protection

16HP Large Fan Coil Unit

Indication List for LED Display

No.	LED1	LED2	LED3	Description
1	•	•		Heating Mode
'				(after the Startup of Compressor)
2	•	0		Cooling Mode
2	•	O	•	(after the Startup of Compressor)
3	•	0	0	Defrosting
4				Heating Mode, Indoor T2 High-temperature
4	•	•	0	Protection, Shut down Fan as Required.

5	\Rightarrow	\Rightarrow	$\stackrel{\wedge}{\Longrightarrow}$	Standby
6	*	0	•	Ambient Temperature Sensor Error
7	0	*	•	Outdoor Tube Temperature Sensor Error
8	*	*	•	Phase-sequence Protection
9	*	*	*	T3 High Temperature Protection
10	*	0	0	Low-voltage Protection 1
11	0	•	0	High-voltage Protection, Discharge
''	O	*	O	Protection 1

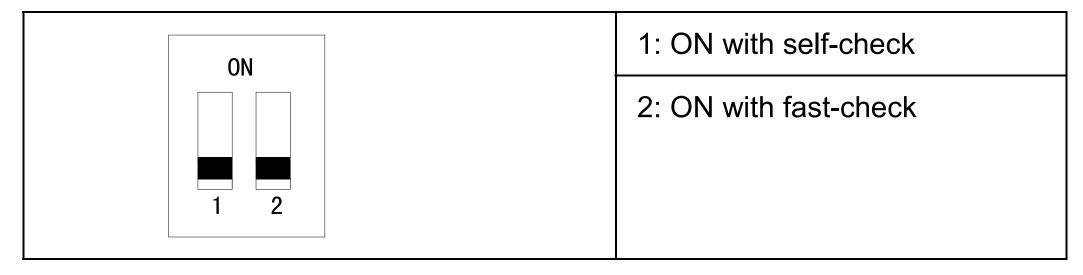
12	*	*	0	Current Protection 1
13	0	0	*	Current Protection 2
14	*	0	*	Current Protection 3
15	0	*	*	Current Protection 4
16	•	*	0	Discharge Protection 2, 3
17	•	*	•	Discharge Protection 4

•: On, ○: Off, ★: Flash Quickly, ☆: Flash Slowly

DIP switch setting:

J2: Double Fan / Single Fan (Connected / Unconnected)

J1: Three-phase / Single-phase (Connected / Unconnected)



VI. Error Indication of Digital Scroll Air Cooling Module

1. Error Protection Display for 60KW Modular Air-Cooling Heat-Pump Unit

E0	Detection Error of Water Flow (Third Time)
E1	Phase-sequence Error of Power Supply
E2	Communication Error
E3	Temperature Sensor Error of Master Outlet Water (Principal Unit is in Effect)
E4	Temperature Sensor Error of Outlet Water for Plate Exchanger
E5	Tube Temperature Sensor Error of Condenser A

	<u> </u>	
E6	Tube Temperature Sensor Error of Condenser B	
E7	Ambient Temperature Sensor Error	
E8	Discharge Temperature Sensor Error of Digital Compressor for System	
E9	Detection Error of Water Flow (First and Second Time)	
Eb	Error of Plate Exchanger Low-temperature Freezing-prevention Protection Sensor T61	
EF	Error of Plate Exchanger Low-temperature Freezing-prevention Protection Sensor T62	
EA	Communication Protection of Subordinate Module (Display of Wire Controller)	

P0	High-voltage or Discharge Temperature Protection of System A
P1	Low-voltage Protection of System A
P2	High-voltage or Discharge Temperature Protection of System B
P3	Low-voltage Protection of System B
P4	Current Protection of System A
P5	Current Protection of System B
P6	High-temperature Protection of Condenser of System A
P7	High-temperature Protection of Condenser of System B

P8	Discharge Temperature Protection of Digital Compressor for System A
Pb	System Freezing-prevention Protection
PE	Low-temperature Protection of Plate Exchanger

2. Error Protection Display for 200KW Large Modular Air-Cooling Heat-Pump Unit

E0	Detection Error of Water Flow (Third Time)
E1	Phase-sequence Error of Power Supply
E2	Communication Error
E3	Temperature Sensor Error of Master Outlet Water
E4	Temperature Sensor Error of System Inlet Water
E5	Tube Temperature Sensor Error of Condenser
E7	Ambient Temperature Sensor Error
E9	Detection Error of Water Flow (First Time)
EA	Communication Protection of Subordinate Module
Eb	Error of Sensor T6
P0	High-voltage or Discharge Temperature Protection

P1	Low-voltage Protection
P4	Current Protection of Compressor
P6	High-temperature Protection of Condenser of System
Pb	System Freezing-prevention Protection

3. List of Display Code for Modular Wire Controller Error Protection

E0	Detection Error of Water Flow (Third Time)					
E1	Phase-sequence Error of Power Supply					
E2	Communication Error					
E3	Temperature Sensor Error of Master Outlet Water (Principal Unit is in					
	Effect)					
E4	Temperature Sensor Error of Outlet Water for Plate Exchanger					

E5	Tube Temperature Sensor Error of Condenser A
E6	Tube Temperature Sensor Error of Condenser B
E7	Ambient Temperature Sensor Error
E8	Discharge Temperature Sensor Error of Digital Compressor for System
	A
E9	Detection Error of Water Flow (First and Second Time)
EA	Reduction in the Number of Subordinate Unit Detected by Principal
	Unit
Eb	Freezing-prevention Temperature Sensor Error of Plate Exchanger A
EC	Online module unit could not be found on Wire Controller.
ED	Communication Data Error for Wire Controller and Module
EE	Communication Error between Wire Controller and Computer

EF	Freezing-prevention Temperature Sensor Error of Plate Exchanger
P0	High-voltage or Exhaust Temperature Protection of System A
P1	Low-voltage Protection of System A
P2	High-voltage or Exhaust Temperature Protection of System B
P3	Low-voltage Protection of System B
P4	Current Protection of System A
P5	Current Protection of System B
P6	High-temperature Protection of Condenser of System A
P7	High-temperature Protection of Condenser of System B
P8	Discharge Temperature Protection of Digital Compressor for System A
Pb	System Freezing-prevention Protection

PC	Protection for Digital Discharge Temperature above 125℃
PE	Low-temperature Protection of Plate Exchanger

VII. Error Indication of Water Cooled Cabinet Unit

Error Display Content	Definition of Error or Protection
Error Icon E0 On	T1 Open Circuit or Short Circuit Error
Error Icon E1 On	Phase-sequence Error
Error Icon E2 and No. 1	T2 Open Circuit or Short Circuit Error of System
On	1 (T2A)

Error Icon E2 and No. 2	T2 Open Circuit or Short Circuit Error of System		
On	2 (T2B)		
Error Icon E2 and No. 3	T2 Open Circuit or Short Circuit Error of System		
On	3 (T2C)		
Error Icon E5 and No. 1	Three errors in System 1 within 20 minutes		
On	Three errors in System 1 within 30 minutes		
Error Icon E5 and No. 2	Three errors in System 2 within 20 minutes		
On	Three errors in System 2 within 30 minutes		
Error Icon E5 and No. 3	Three errors in System 3 within 30 minutes		

On			
Error Icon P0 and No. 1	T2 Low-temperature Protection of System 1		
On	(T2A)		
Error Icon P0 and No. 2	T2 Low-temperature Protection of System 2		
On	(T2B)		
Error Icon P0 and No. 3	T2 Low-temperature Protection of System 3		
On	(T2C)		
Error Icon P1 and No. 1	Current Protection of Compressor 1		
On			

Error Icon P2 and No. 1	Current Protection of Compressor 2		
On	Current Protection of Compressor 2		
Error Icon P3 and No. 2	Comment Directs of Commences 2		
On	Current Protection of Compressor 3		
Error Icon P4 and No. 2	Current Protection of Compressor 4		
On			
Error Icon P5 and No. 3	Current Protection of Compressor 5		
On			
Error Icon P6 and No. 3	Current Protection of Compressor 6		

On	
Error Icon P7 On	Protection of Indoor Blower Motor
Error Icon P9 and No. 1	Discharge Temperature and High/Low Voltage
On	Protection
Error Icon P9 and No. 2	Discharget Temperature and High/Low Voltage
On	Protection
Error Icon P9 and No. 3	Discharge Temperature and High/Low Voltage
On	Protection

VIII. Error Indication of Screw Unit

Error Indication of Screw Unit with 100 (200) USRT

LED1	LED2	LED3	Display	Error Content
On	Off	Off	N/A	Standby
On	On	Off		Operation
Flash	Off	Off	EP	Voltage Protection and
				Phase-sequence Error
Flash	Flash	On	E1	Inlet Sensor Protection of
				Chilled Water

Flash	Off	On	E2	Outlet Sensor Protection of Chilled Water
On	Flash	On	E3	Inlet Sensor Protection of Cooling Water
Off	Flash	On	E4	Outlet Sensor Protection of Cooling Water
Flash	On	On	E5	Protection of Discharge Temperature Sensor
Flash	Flash	Off	E6	Low-voltage Protection
Flash	Flash	Flash	E7	Communication Error

Flash	Off	Flash	P0	Switch Protection of Chilled Water Flow
On	Flash	Off	P1	Switch Protection of Cooling Water Flow
On	Off	Flash	P2	High-voltage Protection
Off	Flash	Flash	P3	Internal Compressor Protection
Off	On	Flash	P4	Overload of Compressor
Flash	On	Off	P5	Protection of Oil Pressure Difference

Off	Flash	Off	P6	Protection of Oil Level
On	On	Flash	P7	High Discharge Temperature
				Protection

Error Indication of Screw Unit with 400 USRT

LED1	LED2	LED3	Display	Error Content
On	Off	Off	N/A	Standby
On	On	Off		Operation
Flash	Off	Off	EP	Voltage Protection and Phase-sequence Error
Flash	Flash	On	E1	Inlet Sensor Protection of Chilled Water

Flash	Off	On	E2	Outlet Sensor Protection of Chilled Water
On	Flash	On	E3	Inlet Sensor Protection of Cooling Water
Off	Flash	On	E4	Outlet Sensor Protection of Cooling Water
Flash	On	On	E5	Protection of Discharge Temperature Sensor

Flash	Flash	Off	E6	Low-voltage Protection
Flash	Flash	Flash	E7	Communication Error
Flash	Off	Flash	P0	Switch Protection of Chilled Water Flow
On	Flash	Off	P1	Switch Protection of Cooling Water Flow
On	Off	Flash	P2	High-voltage Protection
Off	Flash	Flash	P3	Internal Compressor Protection

Off	On	Flash	P4	Overload of Compressor
Flash	On	Off	P5	Protection of Oil Pressure Difference
Off	Flash	Off	P6	Protection of Oil Level
On	On	Flash	P7	Protection of Over-high Discharge Temperature

IX. Error Indication of Network Air Conditioner

Error Code	Error Content	Protection Code	Content of Protection				
	Error and Protection of Air Conditioner						
EF	Other Error	PF	Other Protection				
EE	Error of Water Level Detection	PE	Reserved				
ED	Protection of Outdoor Unit Error	PD	Reserved				
EC	Fresh Error (Reserved)	PC	Reserved				

EB	Protection of Variable Frequency Module (Reserved)	PB	Reserved
EA	Over Current of Compressor (Four Times)	PA	Reserved
E9	Communication Error of Main Board and Display Board	P9	Reserved
E8	Wind-speed detection is out of control (Reserved)	P8	Over Current of Compressor

E7	EEPROM Error (Reserved)	P7	Over/under Voltage Protection of Power
E6	Zero-crossing Detection Error (Reserved)	P6	Discharge Low-voltage Protection
E5	Sensor T3 or T4 Error or Error of Discharge Temperature Sensor for Digital Compressor (Reserved)	P5	Discharge High-voltage Protection

E4	Sensor T2B Error	P4	Temperature Protection of Vent Tube
E3	Sensor T2A Error	P3	Temperature Protection of Compressor
E2	Sensor T1 Error	P2	High Temperature Protection of Condenser
E1	Communication Error between Outdoor and Indoor Unit (Variable Frequency or Digital Unit)	P1	Protection of Preventing Cold Air or Defrosting

	(Reserved)		
E0	Phase-sequence Error or Phase-loss (Reserved)	P0	Temperature Protection of Evaporator
	1 11836-1033 (116361 Ved)		Lvaporator
Network	k Error		
03#	Communication Error		Communication Error
	between Centralized	01#	between Centralized
	Monitor and Computer		Monitor and Network
	(Gateway)		Interface Module

	O2# Communication Error between Centralized 00# Monitor and Function Module		Communication Error
02#		004	between Network
<i>ΟΣπ</i>		00#	Interface Module and
			Main Control Board

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