

2 Lighting mode self-diagnosis lamp

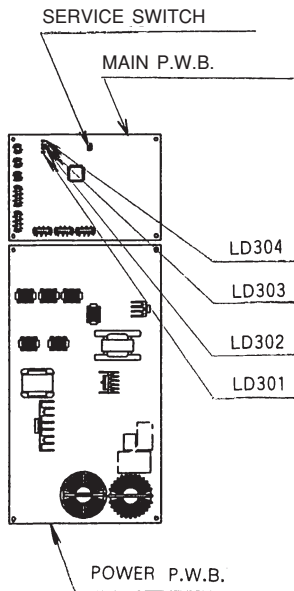
RAM-130QH5

DANGER
(DC360V)

●WAIT FOR TEN-MINUTE (MIN) AFTER TURNING OFF THE POWER SWITCH WHEN SERVICE WORK IS BEING DONE.

SERVICE OPERATION

REFRIGERANT WITHDRAWAL OR SINGLE OPERATION OF THE OUTDOOR UNIT, SHALL SWITCH OFF THE EXCLUSIVE BREAKER FIRST. PUT THE SWITCH TO ON POSITION BACK AND WAIT AT LEAST 20 SECONDS. THEN PUSH THE SERVICE SWITCH WHICH IS ON THE CIRCUIT BOARD FOR MORE THAN 1 SECOND. (THERE WILL BE A COOLING CYCLE) TO PRESERVE PARTS FROM DAMAGE, MUST NOT OPERATE IT FOR MORE THAN 5 MINUTES. TO PAUSE, PUSH THE SERVICE SWITCH AT LEAST 1 SECOND IN CASE TO START OPERATING ONCE AGAIN PLEASE SWITCH OFF THE POWER BACK.



SELF-DIAGNOSIS LIGHTING MODE				■:LIT ▨:BLINKING □:OFF		
LD301 RED	LD302 RED	LD303 RED	LD304 GRN	SELF-DIAGNOSIS NAME	DETAILS	MAIN CHECK POINT
[1] DURING OPERATION						
□	□	■	□	NORMAL OPERATION	COMPRESSOR OPERATION	NOT MALFUNCTION
■	■	□	□	OVERLOAD (1)	<p>THE ROTATION SPEED IS AUTOMATICALLY CONTROLLED TO PROTECT THE COMPRESSOR IN THE OVERLOAD CONDITION.</p>	THIS SHOWS AN OVERLOAD, NOT MALFUNCTION.
□	■	■	□	OVERLOAD (2)		
■	■	■	□	OVERLOAD (3)		
[2] DURING STOP						
□	□	□	□	NORMAL STOP	INDOOR THERMOSTAT OFF, MAIN OPERATION OFF.	NOT MALFUNCTION.
▨	□	□	□	RESET STOP	WHEN STOPPED WITH POWER RESET. (NORMAL WHEN POWER HAS BEEN TURNED ON.)	P. W. B. s (POWER CIRCUIT, MICROCOMPUTER, ETC.)
▨	▨	□	□	PEAK CURRENT CUT	OVERCURRENT IS DETECTED.	⊙COMPRESSOR ⊙P. W. B. s
▨	▨	▨	□			⊙SYSTEM POWER MODULE ⊙P. W. B. s
▨	□	□	□	ABNORMAL LOW SPEED ROTATION	POSITION DETECTION SIGNAL IS NOT INPUT DURING OPERATION.	⊙SYSTEM POWER MODULE ⊙COMPRESSOR ⊙P. W. B. s
▨	□	□	□	SWITCHING FAILURE	SWITCHING FROM LOW FREQUENCY SYNC START TO POSITION DETECTION OPERATION FAILURE.	⊙SYSTEM POWER MODULE ⊙COMPRESSOR ⊙P. W. B. s
▨	□	□	□	OVERLOAD LOWER LIMIT CUT	UNDER THE LOWER LIMIT OF ROTATION SPEED WITH OVERLOAD CONTROL CIRCUIT OPERATED.	⊙OUTDOOR UNIT IS EXPOSED TO DIRECT SUNLIGHT OR ITS AIRFLOW BLOCKED. ⊙FAN MOTOR ⊙FAN MOTOR CIRCUIT ⊙THE VOLTAGE IS EXTREMELY LOW.
▨	□	□	□	OH THERMISTOR TEMP. RISE	OH THERMISTOR OPERATED.	⊙LEAK OF REFRIGERANT ⊙COMPRESSOR ⊙OH THERMISTOR CIRCUIT ⊙FAN MOTOR ⊙FAN MOTOR CIRCUIT
▨	□	□	□	ACCELERATION DEFECTIVE	NO ACCELERATION OVER THE LOWER LIMIT OF THE ROTATION SPEED.	⊙LEAK OF REFRIGERANT ⊙COMPRESSOR
▨	□	□	□	ABNORMAL POWER VOLTAGE	POWER VOLTAGE IS ABNORMALLY LOW.	⊙POWER VOLTAGE ⊙CONNECTION OF REACTOR
▨	□	□	□	FAN DEFECTIVE	OUTDOOR FAN ROTATION IS ABNORMAL.	⊙OUTDOOR FAN MOTOR ⊙P. W. B. s (FUSE)
▨	□	□	□	EEPROM READ ERROR	MICROCOMPUTER CANNOT READ THE DATA IN EEPROM.	MAIN P. W. B.
▨	□	□	□	ACTIVE CONVERTER DEFECTIVE	OVERVOLTAGE IS DETECTED BY SYSTEM POWER MODULE	SYSTEM POWER MODULE
■	▨	□	□	THERMISTOR ABNORMAL	THERMISTOR IS OPEN OR SHORTED. *REFER TO THE FOLLOWING "CORRESPONDENCE TABLE FOR ABNORMAL THERMISTOR"	⊙THERMISTOR ⊙CONNECTION OF THERMISTOR DEFECTIVE ⊙THERMISTOR CIRCUIT
□	□	▨	□			COMMUNICATIONS ERROR BETWEEN INDOOR UNIT AND OUTDOOR UNIT
□	□	□	▨	1 TIME	COMMUNICATION ERROR OF INDOOR 1	⊙CABLE IS WRONG CONNECTED ⊙CABLE IS OPEN ⊙INTERFACE CIRCUIT OF BETWEEN INDOOR UNIT AND OUTDOOR UNIT
□	□	□	▨	2 TIMES	COMMUNICATION ERROR OF INDOOR 2	
□	□	□	▨	3 TIMES	COMMUNICATION ERROR OF INDOOR 3	

*EXAMPLE OF BLINKING (5 TIMES) 2SEC LIGHTS FOR 0.25 SEC AT INTERVAL OF 0.25 SEC.

BLINKING TIMES	CORRESPONDENCE TABLE FOR ABNORMAL THERMISTOR
1 TIME	OVER HEAT THERMISTOR
2 TIMES	DEFROST THERMISTOR
3 TIMES	OUTDOOR THERMISTOR
4 TIMES	NARROW PIPE THERMISTOR (INDOOR 1 OR INDOOR 4)
5 TIMES	WIDE PIPE THERMISTOR (INDOOR 1 OR INDOOR 4)
6 TIMES	NARROW PIPE THERMISTOR (INDOOR 2 OR INDOOR 5)
7 TIMES	WIDE PIPE THERMISTOR (INDOOR 2 OR INDOOR 5)
8 TIMES	NARROW PIPE THERMISTOR (INDOOR 3 OR INDOOR 6)
9 TIMES	WIDE PIPE THERMISTOR (INDOOR 3 OR INDOOR 6)