2 LIGHTING MODE OF THE SELF-DIAGNOSIS LAMP

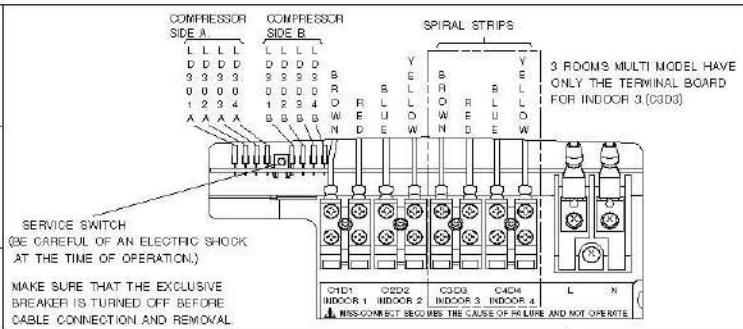
⚠ DANGER(DC360V)

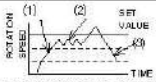
- **WAIT FOR FIFTEEN-MINUTES (MIN.) EVER AFTER TURNING OFF THE POWER SWITCH WHEN SERVICE WORK IS DONE.**

⚠ DANGER (COURANT CONTINU DE 360V)

- **ATTENDRE QUINZE MINUTES (MIN.) APRES AVOIR COMMUTÉ L'INTERRUPTEUR D'ALIMENTATION SUR ARRET LORSQUE LES OPÉRATIONS DE SERVICE SONT TERMINEÉS.**

SELF-DIAGNOSIS LIGHTING MODE ■:LIT ▨:BLINKING □:OFF



SELF-DIA-GNOSIS NAME	DETAILS	MAIN CHECK POINT
□□□■ NORMAL OPERATION	COMPRESSOR OPERATION	NOT MALFUNCTION.
■□□■ OVERLOAD (1)	 THE ROTATION SPEED IS AUTOMATICALLY CONTROLLED TO PROTECT THE COMPRESSOR IN THE OVERLOAD CONDITION.	THIS SHOWS AN OVERLOAD, NOT MALFUNCTION.
□■□■ OVERLOAD (2)		
■■□■ OVERLOAD (3)		
□□□□ NORMAL STOP	INDOOR THERMOSTAT OFF. MAIN OPERATION OFF.	NOT MALFUNCTION.
▨□□□ 1TIME RESET STOP	WHEN STOPPED WITH POWER RESET. (NORMAL WHEN POWER HAS BEEN TURNED ON.)	NOT MALFUNCTION.
▨□□□ 2TIMES PEAK CURRENT CUT	OVERCURRENT IS DETECTED.	①SYSTEM POWER MODULE ②COMPRESSOR ⑤P.W.B.s
▨□□□ 3TIMES ABNORMAL LOW SPEED ROTATION	POSITION DETECTION SIGNAL IS NOT INPUT DURING OPERATION.	①SYSTEM POWER MODULE ②COMPRESSOR ⑤P.W.B.s ⑥INSERT FAILURE OF CN14A,B
▨□□□ 4TIMES SWITCHING FAILURE	SWITCHING FROM LOW FREQUENCY SYNC START TO POSITION DETECTION OPERATION FAILURE	①SYSTEM POWER MODULE ②COMPRESSOR ⑤P.W.B.s ⑥INSERT FAILURE OF CN14A
▨□□□ 5TIMES OVERLOAD LOWER LIMIT CUT	UNDER THE LOWER LIMIT OF ROTATION SPEED WITH OVERLOAD CONTROL CIRCUIT OPERATED.	①OUTDOOR UNIT IS EXPOSED TO DIRECT SUNLIGHT OR ITS AIRFLOW BLOCKED. ③FAN MOTOR ④FAN MOTOR CIRCUIT
▨□□□ 6TIMES OH THERMISTOR TEMP. RISE	OH THERMISTOR OPERATED.	①LEAK OF REFRIGERANT ②COMPRESSOR
▨□□□ 8TIMES ACCELERATION DEFECTIVE	NO ACCELERATION OVER THE LOWER LIMIT OF THE ROTATION SPEED.	①LEAK OF REFRIGERANT ②COMPRESSOR
▨□□□ 10TIMES ABNORMAL POWER VOLTAGE	POWER VOLTAGE IS ABNORMALLY LOW.	① CONNECTION FAILURE OF POWER CABLE ⑥DIODE STUCK ⑦REACTOR ⑧POWER VOLTAGE ⑨INSERT FAILURE OF CN14B
▨□□□ 13TIMES EEPROM READ ERROR	MICROCOMPUTER CANNOT READ THE DATA IN EEPROM.	P.W.B.s (POWER CIRCUIT, EEPROM,ETC.)
▨□□□ 14TIMES ACTIVE CONVERTER DEFECTIVE	OVERVOLTAGE IS DETECTED BY SYSTEM POWER MODULE.	SYSTEM POWER MODULE
▨▨□□ 2TIMES SYSTEM POWER MODULE ERROR	OVERVOLTAGE IS DETECTED BY SYSTEM POWER MODULE.	SYSTEM POWER MODULE
■▨□□ LIT 1~7T IMES THERMISTOR ABNORMAL	THERMISTOR IS OPEN OR SHORTED. ※REFER TO THE FOLLOWING "CORRESPONDENCE TABLE FOR ABNORMAL THERMISTOR"	①THERMISTOR ②CONNECTION OF THERMISTOR DEFECTIVE ③THERMISTOR CIRCUIT
□□▨□ 1TIME COMMUNICATIONS ERROR 1 BETWEEN INDOOR UNIT AND OUTDOOR UNIT	COMPRESSOR SIDE A. COMMUNICATION ERROR OF INDOOR 1 / COMPRESSOR SIDE B. COMMUNICATION ERROR OF INDOOR 3 / EVEN WHEN THE INDOOR UNIT IS NOT CONNECTED, IT BLINKS SIMILARLY. (NOT MALFUNCTION.)	①INDOOR ELEC-AS ⑤P.W.B.s
□□▨□ 2TIMES COMMUNICATIONS ERROR 2 BETWEEN INDOOR UNIT AND OUTDOOR UNIT	COMPRESSOR SIDE A. COMMUNICATION ERROR OF INDOOR 2 / COMPRESSOR SIDE B. COMMUNICATION ERROR OF INDOOR 4	①INDOOR ELEC-AS ⑤P.W.B.s
□□▨□ 3TIMES COMMUNICATIONS ERROR 3 BETWEEN INDOOR UNIT AND OUTDOOR UNIT	COMPRESSOR SIDE A. COMMUNICATION ERROR OF INDOOR 1 AND 2 / COMPRESSOR SIDE B. COMMUNICATION ERROR OF INDOOR 3 AND 4	④CONNECTION FAILURE OF F CABLE ⑤ELECTRICAL ASSEMBLY INDOOR UNIT ⑥SW. BOARD ⑦P.W.B.s
□□▨□ 9TIMES COMMUNICATIONS ERROR BETWEEN OUTDOOR UNIT	COMMUNICATIONS BETWEEN MICROCOMPUTERS OF COMPRESSOR SIDE A & COMPRESSOR SIDE B ARE INTERRUPTED. (EEPROM READ ERROR ALSO 9 TIMES BLINKING)	P.W.B.s (POWER CIRCUIT, EEPROM,ETC.)

※EXAMPLE OF BLINKING (5 TIMES) ■■■■■2SEC■ (■ ···LIGHTS FOR 0.25 SEC AT INTERVAL OF 0.25 SEC.)

CORRESPONDENCE TABLE FOR ABNORMAL THERMISTOR

BLINKING TIMES	ABNORMAL THERMISTOR	
	LD302A(ORANGE) BLINKING	LD302B(ORANGE) BLINKING
1TIME	COMPRESSOR SIDE A OH THERMISTOR	COMPRESSOR SIDE B OH THERMISTOR
2TIMES	COMPRESSOR SIDE A DEFROST THERMISTOR	COMPRESSOR SIDE B DEFROST THERMISTOR
3TIMES	OUTSIDE TEMPERATURE THERMISTOR	
4TIMES	THERMISTOR FOR INDOOR UNIT 1 NARROW PIPE	THERMISTOR FOR INDOOR UNIT 3 NARROW PIPE
5TIMES	THERMISTOR FOR INDOOR UNIT 1 WIDE PIPE	THERMISTOR FOR INDOOR UNIT 3 WIDE PIPE
6TIMES	THERMISTOR FOR INDOOR UNIT 2 NARROW PIPE	THERMISTOR FOR INDOOR UNIT 4 NARROW PIPE
7TIMES	THERMISTOR FOR INDOOR UNIT 2 WIDE PIPE	THERMISTOR FOR INDOOR UNIT 4 WIDE PIPE

SERVICE OPERATION

BEFORE PROCEEDS THE REFERIGERANT WITHDRAWAL OR SINGLE OPERATION OF THE OUTDOOR UNIT, SWITCH OFF THE EXCLUSIVE BREAKER FIRST AND ON AGAIN AND AFTER WAIT FOR MORE THAN 20 SECONDS PRESS THE SERVICE SWITHC OF THIS UNITS'CIRCUIT BOARD FOR MORE THAN 1 SECOND. (IT OPERATES AS COOLING CYCLE.)
TO PROTECT THE UNIT FROM THE DAMAGE, PLEASE DO NOT OPERATE WHEN THE SPINDLE OF THE SERVICE VALVE IS CLOSED.
TO STOP, PUSH THE SERVICE SWITCH AT LEAST 1 SECOND. IN CASE TO START OPERATION AGAIN, PLEASE SWITCH OFF AND OFF THE BREAKER AGAIN.