

Status of indoor/outdoor units	Indication by LED1 on outdoor unit *2	Indication on indoor unit			Content of diagnosis		Inspection location/method	Remedy		
		Floor / ceiling		Wall (Panel)	Wall(Grill)	Main category			Sub category	
		Lighting pattern at the time of timer lamp lighting →●●●●●●→X for 5 seconds		Main	Sub					Main
Indoor/outdoor units in operation	Normal flashing			0	-0	0	Normal	-		
Indoor/outdoor units incomplete shutdown	○ 1 time	●	Operation lamp(RED) Cluster lamp(BLUE)	1	-0	1	Outdoor unit thermistor short-circuit	Heat exchanger thermistor short circuit error Outdoor temperature thermistor short-circuit error Suction thermistor short-circuit error Thermistor Unit A - D thermistor short-circuit error	(1)Measure resistance of the outdoor unit thermistors. (TH2-4,6-9 : Approx.4.4 k at 25 °C) (2)Check the lead wire of the outdoor unit thermistor for tom sheath and short-circuit. (3)No abnormality found in above inspections (1)and (2).	
		●●	Operation lamp(RED) Cluster lamp(BLUE)		-1					
		●●●	Operation lamp(RED) Cluster lamp(BLUE)		-2					
		●●●●	Operation lamp(RED) Cluster lamp(BLUE)		-3					
Indoor/outdoor units in complete shutdown	○ 2 time	●	Operation lamp(RED) Cluster lamp(BLUE)	2	-0	2	Cycle temperature	Compressor high temperature error Suction thermistor open circuit error	(1)Check the outdoor unit air outlet for blockage. (2)Check if the power supply voltage is 90 V or higher at full power. (3)Check the pipe connections for refrigerant leaks. (4)Measure resistance of the outdoor unit compressor thermistor. (TH1:Approx.53 k at 25 °C) (5)Check the expansion valve for proper operation.	
		●●	Operation lamp(RED) Cluster lamp(BLUE)		-1	0				
Indoor unit in operation Outdoor unit in temporary stop	○ 2 time	●●	Operation lamp(RED) Cluster lamp(BLUE)		-2	0	Temporary stop due to compressor discharge overheat *3 Temporary stop due to outdoor unit heat exchanger overheat *3 Temporary stop due to indoor unit heat exchanger overheat *3 Temporary stop due to IPM overheat *3	(Temporary stop for cycle protection) (Temporary stop for cycle protection) (Temporary stop for cycle protection) (Temporary stop for parts protection)	-	
		●●●	Operation lamp(RED) Cluster lamp(BLUE)		-3	0				
		●●●●	Operation lamp(RED) Cluster lamp(BLUE)		-4	0				
		●●●●●	Operation lamp(RED) Cluster lamp(BLUE)		-5	0				
Indoor/outdoor units in complete shutdown	○ 5 time	●●●	Operation lamp(RED) Cluster lamp(BLUE)	5	-0	5	Outdoor unit thermistor open-circuit	Heat exchanger thermistor open-circuit error Outdoor temperature thermistor open-circuit error Suction thermistor open circuit error Discharge thermistor open-circuit error Thermistor Unit A - D thermistor open-circuit error	(1)Check connector CN8A and CN8C of the outdoor unit thermistor for secure installation. (2)Measure resistance of outdoor thermistors TH1-4,6-9. (3)Check the lead wires of thermistors TH1-4,6-9 on the outdoor unit control PCB for open-circuit. (4)No abnormality found in above inspections (1)through (3).	
		●●●●	Operation lamp(RED) Cluster lamp(BLUE)		-1					
		●●●●●	Operation lamp(RED) Cluster lamp(BLUE)		-2					
		●●●●●●	Operation lamp(RED) Cluster lamp(BLUE)		-4					
		●●●●●●●	Operation lamp(RED) Cluster lamp(BLUE)		-5					
Indoor/outdoor units in complete shutdown	○ 6 time	●●●●●	Operation lamp(RED) Cluster lamp(BLUE)	6	-0	6	Outdoor unit DC Current	DC overcurrent error	(1)IPM continuity check (2)Check the IPM and heat sink for secure installation. (3)Check the outdoor unit fan motor for proper rotation. (4)No abnormality found in above inspections (1)through (3). (5)No abnormality found in above inspections (1)through (4).	(1)Replace the outdoor unit control PCB assembly. (2)Correct the installation (tighten the screws). Apply silicon grease. (3)Replace the outdoor unit fan motor. (4)Replace the outdoor unit control PCB assembly. (5)Replace the compressor.
Indoor/outdoor units in complete shutdown	○ 7 time	●●●●	Operation lamp(RED) Cluster lamp(BLUE)	7	-0	7	Outdoor unit AC Current	AC overcurrent error	(1)Ensure unobstructed air flow from the outdoor unit air outlet. (2)Check the outdoor unit fan motor.	(1)Ensure unobstructed air flow from the outdoor unit air outlet. (2)Check the outdoor unit fan motor.
		●●●●●	Operation lamp(RED) Cluster lamp(BLUE)		-1			AC current error when OFF	(1)IPM continuity check	(1)Replace the outdoor IPM PWB
		●●●●●●	Operation lamp(RED) Cluster lamp(BLUE)		-2			AC maximum current error	(1)Ensure unobstructed air flow from the outdoor unit air outlet. (2)Check the outdoor unit fan motor.	(1)Ensure unobstructed air flow from the outdoor unit air outlet. (2)Check the outdoor unit fan motor.
		●●●●●●●	Operation lamp(RED) Cluster lamp(BLUE)		-3	3		AC current deficiency error	(1)Replace the outdoor unit control PCB assembly. (2)Charge the specified amount of refrigerant. (3)Correct refrigerant clogs. (Stop valve,pipe,expansion valve)	(1)Replace the outdoor unit control PCB assembly. (2)Charge the specified amount of refrigerant. (3)Correct refrigerant clogs. (Stop valve,pipe,expansion valve)
Indoor/outdoor units in complete shutdown	○ 8 time	●	Operation lamp(RED) Cluster lamp(BLUE)	8	-0	8	Abnormal wire check	Abnormal wire check error	(1)Check the expansion valve. (unit A - D) (2)Are four expansion valves connected by mistake (3)Check the wiring between units.	(1)Replace the outdoor control board assembly. (2)Reattach (3)Check the wiring between units.
Indoor/outdoor units in complete shutdown	○ 11 time	●●●●	Operation lamp(RED) Cluster lamp(BLUE)	11	-0	11	Outdoor unit DC Fan	Outdoor unit DC fan rotation error (AE-XM30FR)	(1)Check connector CN3A of the outdoor unit DC fan motor for secure installation. (2)Check the outdoor unit fan motor for proper rotation. (3)Check fuse FUSE3. (4)Outdoor unit control PCB	(1)Correct the installation. (2)Replace the outdoor unit fan motor. (3)Replace the outdoor unit control PCB assembly. (4)Replace the outdoor unit control PCB assembly.