

DISPLAY OF REMOTE CONTROLLER		
CODE	ERROR DETAILS	INSPECTED UNIT
EA	Mis-wiring of indoor/outdoor unit Exceed the number of indoor unit connection	Outdoor
Eb	Mis-wiring of indoor/outdoor unit (Mis-wiring, disconnection)	Outdoor
EC	Start-up time over	Outdoor
E6	Indoor/outdoor unit transmission error (Signal receiving error)	Indoor
E7	Indoor/outdoor unit transmission error (Transmitting error)	Indoor
E8	Indoor/outdoor unit transmission error (Signal receiving error)	Outdoor
E9	Indoor/outdoor unit transmission error (Transmitting error)	Outdoor
E0	Remote controller transmission error (Signal receiving error)	RC
E3	Remote controller transmission error (Transmitting error)	RC
E4	Remote controller transmission error (Signal receiving error)	Indoor
E5	Remote controller transmission error (Transmitting error)	Indoor
EF	M-NET transmission error M-NET transmission error	Indoor Outdoor
ED	Serial transmission error	Outdoor
P1	Abnormality of room temperature thermistor (TH1)	Indoor
P2	Abnormality of pipe temperature thermistor/liquid (TH2)	Indoor
P4	Abnormality of drain sensor (DS)	Indoor
P5	Malfunction of drain-up machine	Indoor
P6	Freezing/overheating protection detect	Indoor
P8	Abnormality of pipe temperature	Indoor
P9	Abnormality of pipe temperature thermistor/Cond./Eva.(TH5)	Indoor

DISPLAY OF REMOTE CONTROLLER		
LED	DIAGNOSIS OF MALFUNCTION	INSPECTED UNIT
E0	Transmitting/receiving error	Indoor
P1	Intake air sensor abnormal	Indoor
P2	Pipe sensor abnormal	Indoor
P4	Drain sensor abnormal	Indoor
P5	Malfunctioning of the drain overflow protecting mechanism	Indoor
P6	Abnormality of the coil frost/overheating protection modes	Indoor
P3	System error (Transmitting receiving error)	Indoor
P7	System error (Address)	Indoor
P8	Outdoor unit malfunction	Outdoor

(PUH-EK)

OUTDOOR UNIT

LED ON: Operation status

LED flash: Check code display

LED	LED ON	LED FLASH
LD1	Compressor directive	Reversed-phase detect
LD2	Heater directive	Open phase detect
LD3	During 63H1 operation	Pipe sensor short/open
LD4	Compressor ON	High pressure switch (63H2) operation
LD5	Outdoor fan ON	Over current relay (51CM) operation
LD6	4-way valve ON	Thermal switch (26C) operation
LD7	Bypass valve ON	Thermistor (TH3) overheat protection
LD8	Crankcase heater ON	Defective input

ERROR CODE	POSTPONED ERROR CODE	FAULTS	DETECTED UNIT			THE PART TO BE CHECKED
			INDOOR UNIT	OUTDOOR UNIT	REMOTE CONTROL	
1102	1202	Discharge temperature is unusual	—	●	—	1) Confirm whether gas leak or gas shortage occurred 2) Is the ball valve open?
1108	1208	Inner thermostat of compressor is unusual	—	●	—	1) Confirm whether gas leak or gas shortage occurred 2) Is the S phase on outdoor board open?
1302	1402	High-pressure is unusual	—	●	—	1) Is the ball valve opened? 2) Confirm whether indoor filter is blocked or whether outdoor short cycle occurred
1500	1600	Refrigerant is overcharged	—	●	—	1) Is refrigerant overcharged?
1501	1601	Refrigerant is insufficient	—	●	—	1) Confirm whether gas leak or gas shortage occurred 2) Is the ball valve open?
1505	1605	Vacuum operation is protected	—	●	—	1) Confirm whether gas leak or gas shortage occurred 2) Is the ball valve open?
2502	—	Drain pump is unusual	●	—	—	1) Confirm whether drain pipe is inclined or blocked 2) Connector of drain pipe separated
2503	—	Drain sensor (THd) is unusual	●	—	—	1) Drain sensor is dirty 2) CN50 connector on indoor board separated
4115	4165	Synchronizing signal of power is unusual	—	●	—	1) Is R phase or T phase open? 2) Has fuse of R phase or T phase blown?
4116	—	Rotation amount of fan is wrong (PKFY-AM)	●	—	—	1) Is air filter blocked
4220	4320	Voltage of inverter bus is insufficient	—	●	—	1) Is S phase open?
4230	4330	Temperature of heat dissipation board is unusual	—	●	—	1) Is ventilation of heat dissipation board for cooling blocked
4250	4350	IPM error (Heat current is intercepted) IPM error	—	●	—	1) Is any power phase open? 2) Has voltage of power supply failed?

Error Code - It is displayed on LED of remote control and outdoor board

Postponed Error Code - It is displayed on LED of outdoor board

ERROR CODE	POSTPONED ERROR CODE	FAULTS	DETECTED UNIT			THE PART TO BE CHECKED
			INDOOR UNIT	OUTDOOR UNIT	REMOTE CONTROL	
5101	1202	Thermistor (TH21) for suction temperature is unusual	●	—	—	1) CN20 connector on indoor board separated
		Thermistor (TH1) for Discharge temperature is unusual	—	●	—	1) TH1 connector on outdoor board separated
5102	1211	Thermistor (TH22) for refrigerant pipe temperature is unusual	●	—	—	1) CN21 connector on indoor board separated
		Thermistor (TH2) for suction pressure saturation temperature is unusual	—	●	—	1) TH2 connector on outdoor board separated
5103	1213	Thermistor (TH23) for gas pipe temperature is unusual	●	—	—	1) TH29 connector on indoor board separated
5105	1205	Thermistor (TH5) for condenser outlet temperature is unusual	—	●	—	1) TH5 connector on indoor board separated
5106	1221	Thermistor (TH6) for outdoor temperature is unusual	—	●	—	1) TH6 connector on indoor board separated
5110	1214	Thermistor (THHS) for IPM heat dissipation board temperature is unusual	—	●	—	1) THHS connector on indoor board separated
5201	1402	Pressure sensor (63HS) is unusual	—	●	—	1) Affirm whether gas leak or gas shortage occurred
6600	—	Address double definition error	●	●	●	1) Is the same address as the error generating origin specified?
6602	—	Transmission processor H/W error	●	●	●	1) Turn power OFF simultaneously for 2 minutes or more. Then turn them back on again
6603	—	Transmission circuit (bus) Busy error	●	●	●	1) Wiring mistake of TB3 or TB7 on outdoor unit
6606	—	Communication error with the transmission processor	●	●	●	1) Turn power OFF simultaneously for 2 minutes or more. Then turn them back on again
6607	—	No ACK	●	—	●	1) Address setting is improper, or transmission cable separated
6608	—	No response	●	—	●	1) Check the used electric wire
6810	—	UR communicaton	●	—	●	1) Wire connection for the unit remote control transmission is poor
7100	—	Over index	—	●	—	1) Has index been exceeded
7101	—	Over index	●	●	—	1) Has an indoor unit beyond the permitted index connected
7102	—	The number of connected units exceeded	—	●	—	1) Are connected units over the number of restriction? 2) Transmission cord of indoor unit separated
7105	—	Address setting error	—	●	—	1) Is outdoor unit address set to 000 or to a range of 51-100?
7111	—	Remote control sensor is unusual	●	—	—	1) Is an old type remote control connected?



Check Code List

Emergency Operation Method

M series Mr.SLIM CITY MULTI LOGSAY CONTROLS TECHNICAL



A-CONTROL CHECK CODE (E INDICATIONS)

INDICATIONS ON REMOTE CONTROL	INDICATIONS ON OUTDOOR UNIT		FAULTS	STANDARD	INVERTER	DETECTED UNIT	THE PART TO BE CHECKED
	LED1 (GREEN)	LED2 (RED)					
E0	Flash 3 times		Communication or reception of remote control is unusual	●	●	Remote Control	1) When using two or more remote controls, has a setup for master and slave been performed?
E3			Communication or reception of remote control is unusual	●	●		2) Is a specified 2 core wire used for the electric wire? (03 - 1.25mm ²)
E4			Communication or reception of remote control is unusual	●	●	Indoor Unit	A wire with 3 or more cores is NG
E5			Communication or reception of remote control is unusual	●	●		1) The line between indoor unit and outdoor unit is slack or unsuitable
E6	Flash Twice		Communication or reception between indoor unit and outdoor unit is unusual	●	●	Indoor Unit	2) Is VVF with 3 cores used for the electric wire
E7			Communication or reception between indoor unit and outdoor unit is unusual	●	●		3) Is there a branch connection in middle of the line between indoor unit and outdoor unit
E8			Communication or reception between indoor unit and outdoor unit is unusual	●	●	Outdoor Unit	4) Is the connection line between indoor unit and outdoor unit wet
E9			Communication or reception between indoor unit and outdoor unit is unusual	●	●		5) Has fuse of outdoor board blown?
EA	Flash Once		Wiring for connection between indoor unit and outdoor unit is wrong	●	●	Indoor Unit and Outdoor Unit	6) Connector (CN01, 02 or 03) is slack or seperated
Eb			Wiring for connection between indoor unit and outdoor unit is wrong (improper or seperated)	●	●		1) Check the combination of indoor unit and outdoor unit
EE	Flash 4 times		The combination is unusual	●	●	Indoor Unit and Outdoor Unit	1) Check the unusual indications of M-NET system' remote control or centralized management system
EF			Non-definition error (M-NET system error / No target code)	●	●		1) The connector between indoor control board and M-NET board seperated
Ed	Flash 5 times		Communication between M-NET adapters is unusual	●	●		

A-CONTROL CHECK CODE (F.P INDICATIONS)

INDICATIONS ON REMOTE CONTROL	INDICATIONS ON OUTDOOR UNIT		FAULTS	STANDARD	INVERTER	DETECTED UNIT	THE PART TO BE CHECKED	
	LED1 (GREEN)	LED2 (RED)						
F1	Flash Once		Negative phase is detected, or power or connection between indoor unit and outdoor unit is incorrect	●	—	Outdoor Unit	1) Power or connection cable between indoor unit and outdoor unit is misplaced 2) Negative Phase → Exchange RT phase on outdoor power terminal 3) Are all the 3 phases of power voltage the same voltage	
F2			Open phase is detected (T phase is open)	●	—		1) T phase of outdoor power terminal is loose 2) Are all the 3 phases of power voltage the same voltage	
F3			Connector (63L) is open	●	●	1) Connector (63L) on outdoor board seperated 2) Terminal of low-pressure switch (63L) seperated		
F5			Connector (63H) is open	●	●	1) Connector (63H) on outdoor board seperated 2) Terminal of high-pressure switch (63H) seperated		
F9	Flash 3 times		Two or more connectors are open	●	●	Indoor Unit	1) Confirm whether the connector on board seperated, or is loose (Replace the outdoor board)	
F7			Circuit (board) of negative phase detection is poor	●	—		Flash 4 Times	1) CN20 connector on indoor board seperated
F8			Input circuit (board) is poor	●	●			1) CN21 connector on indoor board seperated
P1	Flash Once		Suction sensor is unusual	●	●	Indoor Unit	1) CN31 connector on indoor board seperated	
P2			pipe (refrigerant pipe) sensor is unusual	●	●		1) Confirm whether draining pipe is inclined or blocked 2) Confirm whether drain-pan or drain sensor becomes dirty 3) CNP connector on indoor board seperated	
P4	Flash Twice		Drain sensor is unusual	●	●	Indoor Unit	1) Air filter is dirty 2) Gas leak or gas shortage occurred 3) Does fan work on indoor unit? → Check the fan connector	
P5			Drain overflow is protected or water leakage occurred	●	●		1) Confirm whether wiring between indoor unit and outdoor unit or piping is faulty when using 2 indoor units 2) Gas leak or gas shortage occurred	
P6	Flash 3 times		Freeze protecting (in cooling mode) / Over rise protecting (in heating mode)	●	●	Indoor Unit	1) CN29 connector on indoor board seperated	
P8			Pipe temperature is unusual	●	●			
P9	—	—	Pipe (two-phase pipe) sensor is unusual	—	●			

A-CONTROL CHECK CODE (U INDICATIONS)

INDICATIONS ON REMOTE CONTROL	INDICATIONS ON OUTDOOR UNIT		FAULTS	STANDARD	INVERTER	DETECTED UNIT	THE PART TO BE CHECKED SIMPLY
	LED1 (GREEN)	LED2 (RED)					
U1	—	—	Unusual high pressure (63H) operated	—	●	Outdoor Unit	1) Is ball valve open? 2) Check the indoor/outdoor short cycle
U2	Flash Once		Discharge temperature is unusual/49C (inner thermostat operated) Refrigerant is insufficient	—	●		1) Check whether air filter is dirty → Clean it 2) Confirm whether gas leak or gas shortage occurred 3) Check the indoor/outdoor short cycle
U7			Superheat occurred by low discharge	—	●		1) Has the discharge thermistor seperated? 2) Confirm whether electronic expansion valve has failed 3) Check CN LEV connector on the outdoor board
UE	Flash Twice		Unusual high-pressure (63H) operated	●	●		1) Is the ball valve open? 2) Check the indoor/outdoor short cycle 3) Is gas overcharged
UL			Unusual low-pressure (63L) operated	●	—	1) Is the ball valve open? 2) Confirm whether gas leak or gas shortage has occurred	
Ud	Flash 3 Times	Flash 3 times	Over raise is protected (overload operation is protected/Fan fault)	●	—	Outdoor Unit	1) Check whether outdoor heat exchanger is dirty → Clean it 2) Check the outdoor short cycle
U6			Flash 4 times		Compressor is intercepted by over-current (overload) Powered module fault occurred		●
UC	Compressor self protection activated	●			●	1) Is ball valve open?	
UF	Flash 5 times		Compressor is over-current (locked)	●	●	Outdoor Unit	1) Is ball valve open? 2) Is power capacity insufficient?
UH			Current sensor is unusual	●	●		1) If outdoor board has been replaced: Check wiring and board setting
U3	Flash 5 times		Discharge thermistor (TH14) is open/short	●	●	Outdoor Unit	TH4 connector on outdoor board seperated
U4			Pipe thermistor (TH3) is open/short	●	●		TH3 connector on outdoor board seperated
U5	—	—	2-phase pipe thermistor (TH6) is open/short	—	●	Outdoor Unit	TH6 connector on outdoor board seperated
			Outdoor temperature thermistor (TH7) is open/short	—	●		TH7 connector on outdoor board seperated
UP	—	—	Heat dissipation board thermistor (TH8) is open/short	—	●	Outdoor Unit	TH8 connector on outdoor board seperated
			Temperature of Heat dissipation board is unusual	—	●		1) Is air inlet/air outlet on outdoor unit blocked by an obstruction?
UP	—	—	Compressor is intercepted by over-current	—	●	Outdoor Unit	1) Is ball valve open? 2) Is power capacity insufficient?

A-CONTROL ERROR CODE LIST

DISPLAY OF REMOTE CONTROLLER		
CODE	ERROR DETAILS	INSPECTED UNIT
F1	Reverse phase detection	Outdoor
F2	L3 open phase detection	Outdoor
F3	63L connector open	Outdoor
F4	49C connector open	Outdoor
F9	connector 2 or more open	Outdoor
FA	L-2 phased open phase or 51CM connector open	Outdoor
F7	Reverse phase detector circuit (p.c.board) fault	Outdoor
F8	Input circuit fault	Outdoor
U2	Abnormal high discharge temperature	Outdoor
U2	Inner thermostat (49C) operation	Outdoor
U1	Abnormal high pressure (High pressure switch 63H tripped)	Outdoor
U1	Direct cut operation	Outdoor
UE	High pressure error (ball valve closed)	Outdoor
UL	Abnormal low pressure	Outdoor
Ud	Over heat protection	Outdoor
U6	Compressor over current (Overload) cut off	Outdoor
UA	Compressor over current (Terminal relay operation)	Outdoor
UF	Compressor over current (Start up locked) cut off	Outdoor
UF	Compressor over current (Operating locked) cut off	Outdoor
UH	Current sensor error	Outdoor
U3	Discharge thermistor short/open	Outdoor
U4	Outdoor thermistor short/open	Outdoor