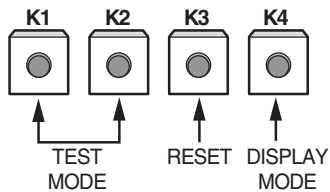


1-5. Outdoor Unit 7-segment Error Display

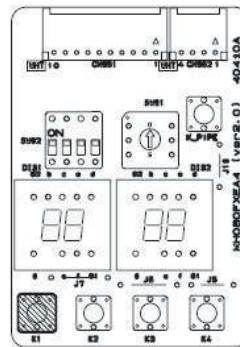
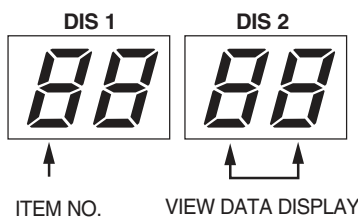
1) 7-segment

(1) Setting of PCB Display of the Outdoor unit

KEY



Display



Function Number of press times	Component	Component	Component	Component
1	Test operation at heating mode	Test operation at cooling mode	Reset	View mode change
1	End	End	-	-

(2) K4 View mode Display changes

Push	Display Explanation
1	Target Compressor Frequency
2	Order Compressor Frequency
3	Current Discharge Temperature
4	Target Discharge Temperature
5	EEV current step
6	Condenser Temperature
7	Outdoor Temperature
8	Indoor Eva-pipe Temperature
9	Indoor Temperature
10	Indoor Fan RPM
11	Outdoor Fan RPM
12	Current
13	Safety Control
14	Version(Main Micom)
15	Current Compressor Frequency

1. Indoor/Outdoor Unit Error Display

1-5. Outdoor Unit 7-segment Error Display

2) Outdoor unit


Error mode	Content	Measure	Product operation status in case of error	Error type
			Outdoor unit compressor/ Outdoor unit Fan	
101	Indoor unit communication error	Check the communication line for indoor units, check the power supply of the communication phase (DC)	Operation-Off	Communication error
102	Communication time-out error between indoor/outdoor unit 6-packet over error	Check the communication line for indoor units, check the power supply of the communication phase (DC)	Operation-Off	Communication error
121	Indoor temperature sensor (open/short error)	Check the temp. sensor of the indoor unit room. Check the indoor PCB connector CN21(white)	Operation-Off	Indoor sensor error
122	Indoor unit Eva In sensor (open/short)	Check the indoor unit drainage pipe sensor Check the indoor PCB connector CN21 (white)	Operation-Off	Indoor sensor error
128	Dismount of indoor unit Eva In sensor	Check the drainage pipe has been dismantled	Operation-Off	Indoor sensor error
153	Secondary detection of indoor floating switch	Check the indoor unit's float sensor Check the indoor PCB connector CN51 (black)	Operation-Off	Self-diagnosis error
201	Indoor unit not connected	Check the indoor unit connection Check the indoor unit option	Operation-Off	Communication error
203	Communication error between indoor/outdoor unit INV and Main Micom (1 min.)	Check the Main MICOM Check the inverter MICOM	Operation-Off	Communication error
221	Outdoor temperature sensor error	Check the connection status of the sensor Check the sensor location Check the resistance values of sensor	Operation-Off	Outdoor sensor error
237	Cond. temperature sensor error	Check the connection status of the sensor Check the sensor location Check the resistance values of sensor	Operation-Off	Outdoor sensor error
251	[inverter] Emission temperature sensor error	Check the connection status of the sensor Check the sensor location Check the resistance values of sensor	Operation-Off	Outdoor sensor error
416	Excessive temperature emission	Not an error (discharge temp. control)	Operation-Off	Outdoor unit protection control error
425	Power cable connection error	Check the status of power connection	Operation-Off	Outdoor sensor error

Error mode	Content	Measure	Product operation status in case of error	Error type
			Outdoor unit compressor/ Outdoor unit Fan	
450	Non-connection error of indoor and outdoor Communication wire (connected to the power terminal)	Check the status of power connection Check the connection status of the communication line	Operation-Off	Self-diagnosis error
458	Outdoor fan 1 error	Check the input power connection status Check the connection status between the motor and PCB in outdoor unit Check the fuse of indoor/outdoor units	Operation-Off	Self-diagnosis error
461	[inverter] Compressor operation error	Check the connection status of the compressor Check the resistance between different phases in compressor	Operation-Off	Outdoor unit protection control error
462	Discharge current error/ PFC over-current error	Check the input power Check refrigerant is filled Check outdoor fan operates normally	Operation-Off	Outdoor unit protection control error
464	[inverter] IPM over current error	Check refrigerant is filled Check the connection status of compressor and if it operates normally Check for any obstacles around indoor/ outdoor units	Operation-Off	Outdoor unit protection control error
467	[inverter] Compressor rotation error	Check the connection status of the compressor Check the resistance between different phases in compressor	Operation-Off	Outdoor unit protection control error
468	[inverter] Current sensor error	Check PCB operates normally	Operation-Off	Outdoor unit protection control error
469	[inverter] DC link voltage sensor error	Check the connection of input power Check the status of RY21 and R2000 of Inverter PCB	Operation-Off	Outdoor unit protection control error
471	[inverter] OTP error	Check PCB operates normally	Operation-Off	Outdoor unit protection control error
475	Outdoor fan 2 error	Check the connection status of input power Check the connection status of motor and outdoor PCB Check the fuse of indoor/outdoor unit	Operation-Off	Self-diagnosis error
554	Gas leakage error	Check refrigerant is filled Check the indoor EVA sensor	Operation-Off	Self-diagnosis error
556	Inconsistent volume	Check the indoor unit's option code	Operation-Off	Outdoor unit protection control error

1. Indoor/Outdoor Unit Error Display

1-6. Wired Remote Controller Error Display(COM2)

1) Wired remote controller

- ◆ If an error occurs  is displayed on the wired remote controller.
- ◆ To see an error code, please press the test button.


Error mode	Content	Measure	Product operation status in case of error	Error type
			Outdoor unit compressor/ Outdoor unit Fan	
101	Indoor unit communication error	Check the communication line for indoor units, check the power supply of the communication phase (DC)	Operation-Off	Communication error
102	Communication time-out error between indoor/outdoor unit 6-packet over error	Check the communication line for indoor units, check the power supply of the communication phase (DC)	Operation-Off	Communication error
121	Indoor temperature sensor (open/short error)	Check the temp. sensor of the indoor unit room. Check the indoor PCB connector CN21(white)	Operation-Off	Indoor sensor error
122	Indoor unit Eva In sensor (open/short)	Check the indoor unit drainage pipe sensor Check the indoor PCB connector CN21 (white)	Operation-Off	Indoor sensor error
128	Dismount of indoor unit Eva In sensor	Check the drainage pipe has been dismantled	Operation-Off	Indoor sensor error
153	Secondary detection of indoor floating switch	Check the indoor unit's float sensor Check the indoor PCB connector CN51 (black)	Operation-Off	Self-diagnosis error
201	Indoor unit not connected	Check the indoor unit connection Check the indoor unit option	Operation-Off	Communication error
203	Communication error between indoor/outdoor unit INV and Main Micom (1 min.)	Check the Main MICOM Check the inverter MICOM	Operation-Off	Communication error
221	Outdoor temperature sensor error	Check the connection status of the sensor Check the sensor location Check the resistance values of sensor	Operation-Off	Outdoor sensor error
237	Cond. temperature sensor error	Check the connection status of the sensor Check the sensor location Check the resistance values of sensor	Operation-Off	Outdoor sensor error
251	[inverter] Emission temperature sensor error	Check the connection status of the sensor Check the sensor location Check the resistance values of sensor	Operation-Off	Outdoor sensor error
416	Excessive temperature emission	Not an error (discharge temp. control)	Operation-Off	Outdoor unit protection control error
425	Power cable connection error	Check the status of power connection	Operation-Off	Outdoor sensor error

Error mode	Content	Measure	Product operation status in case of error	Error type
			Outdoor unit compressor/ Outdoor unit Fan	
450	Non-connection error of indoor and outdoor Communication wire (connected to the power terminal)	Check the status of power connection Check the connection status of the communication line	Operation-Off	Self-diagnosis error
458	Outdoor fan 1 error	Check the input power connection status Check the connection status between the motor and PCB in outdoor unit Check the fuse of indoor/outdoor units	Operation-Off	Self-diagnosis error
461	[inverter] Compressor operation error	Check the connection status of the compressor Check the resistance between different phases in compressor	Operation-Off	Outdoor unit protection control error
462	Discharge current error/ PFC over-current error	Check the input power Check refrigerant is filled Check outdoor fan operates normally	Operation-Off	Outdoor unit protection control error
464	[inverter] IPM over current error	Check refrigerant is filled Check the connection status of compressor and if it operates normally Check for any obstacles around indoor/ outdoor units	Operation-Off	Outdoor unit protection control error
467	[inverter] Compressor rotation error	Check the connection status of the compressor Check the resistance between different phases in compressor	Operation-Off	Outdoor unit protection control error
468	[inverter] Current sensor error	Check PCB operates normally	Operation-Off	Outdoor unit protection control error
469	[inverter] DC link voltage sensor error	Check the connection of input power Check the status of RY21 and R2000 of Inverter PCB	Operation-Off	Outdoor unit protection control error
471	[inverter] OTP error	Check PCB operates normally	Operation-Off	Outdoor unit protection control error
475	Outdoor fan 2 error	Check the connection status of input power Check the connection status of motor and outdoor PCB Check the fuse of indoor/outdoor unit	Operation-Off	Self-diagnosis error
554	Gas leakage error	Check refrigerant is filled Check the indoor EVA sensor	Operation-Off	Self-diagnosis error

1. Indoor/Outdoor Unit Error Display

1-6. Wired Remote Controller Error Display(COM2)

1) Wired remote controller

- ◆ If an error occurs  is displayed on the wired remote controller.
- ◆ To see an error code, please press the test button.

Error mode	Content	Measure	Product operation status in case of error	Error type
			Outdoor unit compressor/ Outdoor unit Fan	
556	Inconsistent volume	Check the indoor unit's option code	Operation-Off	Outdoor unit protection control error
601	Communication error between indoor unit and wired remote controller	Check the connection wire linking indoor unit and wired remote controller	Normal operation	Wired remote controller control error
602	Communication error between master and slave wired remote controller	Check the option switch that distinguishes master and slave (Available only for 1 master unit and 1 slave unit)	Normal operation	Wired remote controller control error
606	Cross installation error of COM1/COM2	Check the connection of outdoor unit and wired remote controller is linked to Com2 terminal of the indoor unit	Normal operation	Wired remote controller control error
EA	Wired remote controller COM2 setting option error	Check the Dip switch for Com1 and Com2 is set to Com2	Normal operation	Wired remote controller control error