

### (1) Remote Control Warning List (With Indoor Unit connected)

: Flashing     
 : Lit     
 : Off

Detection Item		Warning Display	Wireless Remote Control Lamp Display	Device Checked	
Engine protection device operation	Engine system faults	Engine oil pressure fault	A01	   Simult. flashing	Outdoor unit
		Engine oil fault	A02		
		Engine over-rev fault	A03		
		Engine low-rev fault	A04		
		Ignition power fault	A05		
		Engine start failure	A06		
		Fuel gas valve fault	A07		
		Stalling	A08		
		High exhaust gas temperature	A10		
		Engine oil level fault	A11		
		Throttle failure	A12		
		Oil pressure switch fault	A14		
		Crank angle fault	A23		
		Cam angle fault	A24		
		Accidental fire fault	A26		
	Starter system faults	Starter power output short circuited	A15		
		Starter lock	A16		
		CT fault (bad starter current detected)	A17		
	Coolant system faults	Low coolant temperature	A19		
		High coolant temperature	A20		
Coolant level fault		A21			
Coolant pump overload		A22			
Clutch fault		A25			
Catalyzer temperature fault (for only model with catalyzer)		A27			
Generator fault (for only G-POWER and W multi models)		A28			
Converter fault (for only G-POWER and W multi models)		A29			
Fuel gas low pressure fault		A30			
Remote control unit detected an abnormal signal from an indoor unit	Faulty remote control reception	E01	   Flashing	Remote controller	
	Faulty remote control transmission	E02		Indoor unit	
	Faulty reception of (focused) remote control by indoor unit	E03		Remote controller	
Serial transmission faults, invalid settings	Invalid setting	Duplicate indoor unit address setting	E08	   Flashing	Indoor unit
		Multiple parent remote control settings	E09		Remote controller
	Faulty reception at indoor unit from signal output board		E11		Indoor unit
	Automatic address setting is in progress; automatic address setting start is prohibited		E12		Outdoor unit
	Faulty transmission from an indoor unit to remote control		E13		Indoor unit
	Faulty group control wiring communication		E18		
	Faulty reception by an indoor unit from an outdoor unit		E04		
	Faulty transmission from an indoor unit to an outdoor unit		E05		Outdoor unit
	Faulty reception by an outdoor unit from an indoor unit		E06		
	Faulty transmission from an outdoor unit to an indoor unit		E07		
	Automatic address warning	Too few units	E15		
		Too many units	E16		
	No indoor unit		E20		
	Outdoor main controller board fault		E21		
	Outdoor main controller board sensor fault		E22		
Faulty communications between outdoor units (for only W multi model)		E24			
Wrong quantity of outdoor units (for only W multi model)		E26			
Outdoor unit wrong tubing connection (for only W multi model)		E28			
Abnormal transmission within a unit		E31			

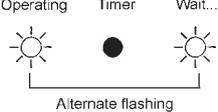
When the water heat exchanger unit is connected in the table above, please replace indoor unit with water heat exchanger unit for the alarm.

Note: Some items are not indicated, depending in model type.

Detection Item		Warning Display	Wireless Remote Control Lamp Display	Device Checked			
Sensor faults	Indoor unit sensor faults	Indoor heat exchanger inlet temperature sensor fault (E1)	F01		Indoor unit		
		Water heat exchanger refrigerant anti-icing sensor fault	F02				
		Indoor heat exchanger outlet temperature sensor fault (E3)	F03				
		Indoor unit intake temperature sensor fault	F10				
		Indoor unit blow out temperature sensor fault	F11				
	Outdoor unit sensor faults	Compressor outlet temperature sensor fault	F04		Outdoor unit		
		Outdoor heat exchanger inlet temperature sensor fault	F06				
		Outdoor heat exchanger outlet temperature sensor fault	F07				
		External air temperature sensor fault	F08				
		Compressor inlet temperature sensor fault	F12				
		Coolant temperature sensor fault	F13				
		Compressor inlet/outlet pressure sensor fault	F16				
		Hot water outlet temperature sensor fault (for only hot water removal model)	F17				
		Exhaust gas temperature sensor fault	F18				
		Clutch coil temperature sensor fault	F20				
		Clutch-2 coil temperature sensor fault	F21				
		Oil level sensor fault (for only W multi model)	H08				
		Compressor oil empty (for only W multi model)	H07				
	Indoor nonvolatile memory (EEPROM) fault (*1)	F29		Indoor unit			
Clock function (RTC) fault	F30		Outdoor unit				
Outdoor nonvolatile memory (EEPROM) fault	F31						
Invalid or missing setting	Incompatible outdoor/indoor unit (non-GHP equipment connected)	L02		Indoor unit			
	Multiple parent devices set for group control	L03			Outdoor unit		
	Indoor unit priority settings duplicated	L05				Indoor unit	
	Indoor unit priority settings duplicated	L06					Outdoor unit
	Group control cable present for individual-control indoor unit	L07					
	Indoor unit address not set	L08		Outdoor unit			
	Indoor unit capacity not set	L09					
	Duplicate system (outdoor unit) address setting	L04					
	Outdoor unit capacity not set	L10					
	Faulty indoor unit type setting	L13					
	Faulty indoor unit combination	L15		Outdoor unit			
Wrong gas type setting	L21						

When the water heat exchanger unit is connected in the table above, please replace indoor unit with water heat exchanger unit for the alarm.

Note: Some items are not indicated, depending in model type.

Detection Item		Warning Display	Wireless Remote Control Lamp Display	Device Checked	
Faulty connection at indoor unit ceiling panel connector		P09	Operating    Timer    Wait... 	Indoor unit	
Protection device operation	Indoor protection devices	Indoor blower fault/ Indoor blower rotation fault			P01
		Indoor unit float switch fault			P10
		Indoor DC fan fault			P12
	Outdoor protection devices	High compressor discharge temperature	P03	Operating    Timer    Wait... 	Outdoor unit
Refrigerant high pressure switch action		P04			
Power supply fault		P05			
Water heat exchanger freeze fault (when the water heat exchanger unit is connected)		P11			
Refrigerant circuit fault (for only W multi and 3-WAY multi)		P13			
O <sub>2</sub> sensor signal		P14			
All refrigerant gas lost		P15			
Bypass valve fault		P18			
4-Way valve lock fault (not detected 3-Way multi)		High refrigerant pressure fault	P20		
	Outdoor blower fault	P22			
	Water heat exchanger unit interlock fault (for only water heat exchanger unit is connected)	P23			
	Clutch engagement fault	P26			
	Sub unit of group control fault (System controller)	P30	System controller		
Group control fault (Warning)	P31	Indoor unit			
Oil replacement time (level) warning Outdoor display: oil	Oil check	Outdoor unit			
Automatic backup online (*2)	check				
Backup operating display without power generation when the converter is abnormal	GE				

When the water heat exchanger unit is connected in the table above, please replace indoor unit with water heat exchanger unit for the alarm.

Note: Some items are not indicated, depending in model type.

- \*1: If the indoor nonvolatile memory (EEPROM) is faulty when the power supply is turned on, warning code F29 is not indicated, but the power source LED on the indoor board starts to flicker.
- \*2: In this case, operation of the system is possible, but one of the outdoor units is detected to have stopped abnormally.
- Warning P30 (group controlled device fault) is sometimes displayed at the system controller.