

## Protection and Fault Code for Indoor Unit Board

Fault/Protection	Fault Cause	Indoor Display
Zero passage fault of PG motor	Abnormal zero passage of PG motor	F0
Indoor and outdoor communication fault	Abnormal communication between indoor unit and outdoor unit	F1
Tr sensor fault	Open circuit or short circuit of Tr sensor	F2
Tp sensor fault	Open circuit or short circuit of Tp sensor	F3
Indoor fan fault	Malfunction of indoor fan	F4
PM2.5 sensor fault (the function is not available for multi-split air conditioning system)	Open circuit or short circuit of PM2.5 sensor (the function is not available for multi-split air conditioning system)	E9
Outdoor module fault	Malfunction of outdoor module	F5
Outdoor ambient temperature sensor fault	Open circuit or short circuit of outdoor temperature sensor	F6
Outdoor coil temperature sensor fault	Open circuit or short circuit of outdoor coil temperature sensor	F7
Compressor suction temperature sensor fault	Open circuit or short circuit of compressor suction temperature sensor	F8
Compressor exhaust temperature sensor fault	Open circuit or short circuit of compressor extraction temperature sensor	F9
Current and potential transformer fault	Malfunction of current and potential transformer	FA
Compressor drive fault	Malfunction of compressor drive	FC
Power phase sequence fault or open phase fault	Power phase sequence fault or open phase fault	Fd
Air return sensor fault	Open circuit or short circuit of air return sensor	FE
Outdoor DC fan fault	Malfunction of outdoor DC fan	FH
Multi-split mode conflict protection	Multi-split mode conflict protection	Fb

## Fault Code for Coordination Board

Displayed Content	Fault Definition	Fault Cause
EEA	EEPROM fault	Fault of EEPROM on coordination board
EEb	EEPROM fault	Fault of EEPROM on outdoor unit board
E0	Fault of communication between coordination board and driver board	No communication or communication fault between coordination board and driver board
EC	Fault of communication between variable frequency module and outdoor unit	Communication fault between the outdoor unit power board and module
E0A	1# indoor communication fault	No communication or communication fault of 1# indoor and outdoor unit
E0b	2# indoor communication fault	No communication or communication fault of 2# indoor and outdoor unit
E0c	3# indoor communication fault	No communication or communication fault of 3# indoor and outdoor unit
E0d	4# indoor communication fault	No communication or communication fault of 4# indoor and outdoor unit
E0E	5# indoor communication fault	No communication or communication fault of 5# indoor and outdoor unit
E10	Weak current communication fault	Communication fault of coordination board and outdoor unit board
E9	Variable frequency drive/module fault	Driving occurs 3 times within 30 minutes or module protection
EP	Compressor shell roof switch fault	Too high temperature of the shell top of compressor or temperature switch is broken.
EU	Voltage sensor fault	The system is unable to sense voltage.
E3	T3 temperature sensor fault	Short circuit or open circuit of outdoor coil temperature sensor
E7	T4 temperature sensor fault	Short circuit or open circuit of outdoor ambient temperature sensor

E8	Exhaust temperature sensor fault	Short circuit or open circuit of exhaust temperature sensor
EH	Air return temperature sensor fault	Short circuit or open circuit of air return temperature sensor
EtA	1# T2B1 temperature sensor fault	Short circuit or open circuit of outlet temperature sensor of 1# outdoor coil
Etb	2# T2B2 temperature sensor fault	Short circuit or open circuit of outlet temperature sensor of 2# outdoor coil
Etc	3# T2B3 temperature sensor fault	Short circuit or open circuit of outlet temperature sensor of 3# outdoor coil
Etd	4# T2B4 temperature sensor fault	Short circuit or open circuit of outlet temperature sensor of 4# outdoor coil
EtE	5# T2B5 temperature sensor fault	Short circuit or open circuit of outlet temperature sensor of 5# outdoor coil
P0	IPM module protection	Compressor drive module is in abnormal status.
P9	Compressor drive fault protection	Compressor drive is in abnormal status or unable to start.
P9	HP dial setting fault	The type of driver board does not match that of compressor
P1	Low-voltage protection	Input voltage is lower than 160V±5V.
P2	Compressor current protection	Running current exceeds the set value.
P4	Exhaust gas high temperature protection	Exhaust temperature exceeds the shutdown protection value.
H1	High-voltage switch protection	High-voltage switch is in abnormal status.
H2	Low-voltage switch protection	Low-voltage switch is in abnormal status.
P6	Refrigerator T3 overheat protection	Outdoor pipe temperature of refrigerator exceeds the set value.