

Diagnosis display	Abnormality / Protection control	Abnormality Judgement	Temporary operation	Primary location to verify
H11	Indoor / outdoor abnormal communication	1 min after starting operation	-	<ul style="list-style-type: none"> Internal / external cable connections Indoor / Outdoor PCB
H14	Indoor intake air temperature sensor abnormality		-	<ul style="list-style-type: none"> Intake air temperature sensor (defective or disconnected) ※ 1
H15	Outdoor compressor temperature sensor abnormality		-	<ul style="list-style-type: none"> Compressor temperature sensor (defective or disconnected)
H16	Outdoor Current Transformer open circuit		-	<ul style="list-style-type: none"> Outdoor PCB IPM (Power transistor) module
H19	Indoor fan motor mechanism lock		-	<ul style="list-style-type: none"> Indoor PCB Fan motor
H23	Indoor heat exchanger temperature sensor abnormality		O (Cooling only)	<ul style="list-style-type: none"> Heat exchanger temperature sensor (defective or disconnected)
H27	Outdoor air temperature sensor abnormality		O	<ul style="list-style-type: none"> Outdoor temperature sensor (defective or disconnected)
H28	Outdoor heat exchanger temperature sensor abnormality		O	<ul style="list-style-type: none"> Outdoor heat exchanger temperature sensor (defective or disconnected)
H98	Indoor high pressure protection		-	<ul style="list-style-type: none"> Air filter dirty Air circulation short circuit
H99	Indoor heat exchanger anti-freezing protection		-	<ul style="list-style-type: none"> Insufficient refrigerant Air filter dirty
F11	Cooling / Heating cycle changeover abnormality	4 times occurrence within 40 minutes	-	<ul style="list-style-type: none"> 4-way valve V-coil
F91	Refrigeration cycle abnormality	2 times occurrence within 30 minutes	-	<ul style="list-style-type: none"> No refrigerant (3-way valve is closed)
F93	Outdoor compressor abnormal revolution	4 times occurrence within 30 minutes	-	<ul style="list-style-type: none"> Compressor Outdoor PCB
F96	IPM (power transistor) overheating protection	4 times occurrence within 40 minutes	-	<ul style="list-style-type: none"> Excess refrigerant Improper heat radiation IPM (Power transistor)
F97	Outdoor compressor overheating protection	4 times occurrence within 20 minutes	-	<ul style="list-style-type: none"> Insufficient refrigerant Compressor
F98	Total running current protection	3 times occurrence within 30 minutes	-	<ul style="list-style-type: none"> Excess refrigerant Improper heat radiation
F99	Outdoor Direct Current (DC) peak detection	7 times occurrence continuously	-	<ul style="list-style-type: none"> Outdoor PCB IPM (Power transistor) Compressor

※ 1

This diagnosis mode can be omitted by the following procedure.

- Press the AUTO button (at indoor unit) continuously for 16 seconds or < 21 seconds, "beep", "beep", "beep", "beep" will be heard at 16th second. "E1" will be displayed at the indoor unit. This is to indicate H14 abnormality detection is enable.
- Press the Auto switch once. A "beep" sound will be heard. "E2" will be displayed at the indoor unit. This is to indicate H14 abnormality detection is disabled.