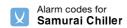
Alarm Codes



If the unit is operated under abnormal conditions, an alarm code (refer to the table below) is indicated and the "Alarm" LED lamp is lighted. Function of 7-Segment Light Emitted Diode on Control Panel is as shown in the table below.

SEG.1 SEG.2 88 88

7 Segments on Control Panel

Code	
No. 1 No. 2 No. 3 No. 4 No. 5 Cycle Cycle Cycle Cycle Cycle	Content
CÎ HI CZ H3 C3 H3 CY H4 C5 H5	Activation of High Pressure Switch
C1 L1 C2 L2 C3 L3 C4 L4 C5 L5	Activation of Low Pressure Protection Control
C1 L1 C2 L2 C3 L3 C4 L4 C5 L5	Excessively Low Pressure
C1 51 C2 52 C3 53 C5 54 C5 55	Activation of Thermal Relay for Compressor or Malfunction of Auxiliary Relay ARn
C1 61 C2 62 C3 63 C4 64 C5 65	Activation of Discharge Gas Thermistor
C1	Activation of Compressor Internal Thermostat
C1 91 C2 92 C3 93 C4 94 C5 95	Excess Low Temperature of Cooler Inlet Refrigerant
C1	Activation of Suction Gas Thermistor
C1 05 C2 05 C3 05 C4 05 C5 05	Phase Abnormally
C1 12 C2 12 C3 12 C4 12 C5 12	Failure of Water Outlet Thermistor (Only for 2 - 5 cycle unit)
C1 13 C2 13 C4 13 C4 13 C5 13	Activation of Freeze Protection Control (More Than 2 Cycle Unit)
C1 21 C2 21 C3 21 C4 21 C5 21	Failure of Cooler inlet Refrigerant Thermistor (Open / Short)
C1 23 C2 23 C3 23 C4 23 C4 23	Failure of Discharge Gas Thermistor (Open / Short)
C1 24 C2 24 C3 24 C4 24 C5 24	Failure of Thermistor set before Expansion Valve
C1 25 C2 25 C3 25 C4 25 C5 25	Failure of Water Outlet Thermistor (Rear side of Water Cooler)
C1 26 C2 26 C3 26 C4 26 C5 26	Failure of Suction Gas Thermistor (Open / Short)
C1 27 C2 27 C3 27 C4 27 C5 27	Failure of Discharge Gas Pressure Sensor (Open / Short)
C1 28 C2 28 C3 28 C4 28 C5 28	Failure of Suction Gas Pressure Sensor (Open / Short)
C1 F0 C2 F0 C3 F0 C4 F0 C5 F0	Incorrect Setting of Fan Number
F1 11 F2 11 F3 11 F4 11 F5 11	Fan Inverter Rotation Abnormally *1
F1 21 F2 21 F3 22 F4 22 F5 22	Activation of Fan Inverter Over Current Protection Control *1
F1 31 F2 31 F3 31 F4 31 F5 31	Fan Inverter Phase Abnormally *1
FI 41 F2 41 F3 41 F4 41 F5 41	Error Communication between Inverter PCB and Control or Fan Control PCB *1
F1 51 F2 51 F3 51 F4 51 F5 51	Inverter Power Supply Abnormally *1

Alarm Codes



Continued...

Code										
	. 1 cle	No Cy	_	No. Cyc	-	No Cy		No Cy		Content
-,		-,		01		٠,		٠,		Failure of Auxiliary Relay for starting
				05	05					Phase Abnormally
				11	11					Failure of Water Inlet Temperature Thermistor
				12	12					Failure of Water Outlet Thermistor (Only for Single Cycle Unit)
				13	13					Activation of Thermal Relay for Compressor or Malfunction of Auxiliary Relay ARn
				22	22					Failure of Ambient Temperature Thermistor (Open / Short)
				[2	[2					Water Supply Header Temperature Thermistor
				28	24					Water Return Header Temperature Thermistor
				SP	SP					No Feedback Signal from Water Pump
				40	40					Incorrect Operation
				ΕU	ΕU					Error Communication between Expansion Valve PCB and Control PCB
				Fc	Fc					Error Communication between Fan Control PCB and Control PCB
				CP	СP					Error Communication between Control PCB (PCBc1, PCBc2)
				"PU"	"PU"					Alarm of Excessively High Water Temperature
				6 E	6 E					Alarm of Water Failure (Differential Pressure Switch or Flow Switch Option)
				ЯP	RР					Activation of Additional Protection Device
				03	03					Error Communication between Chiller and Remote Controller (If CSC-5S is connected.)
Fl	Ρ7	F2	Ρ7	F3	Ρ7	FЧ	Ρ7	F5	Ρ7	Retry Operation (More Than 3 Fans Retry at The Same Time)
	Р8									
	P 5									
	28	[2	28	C 3	28	СЧ	28	٤5	28	Failure of Suction Gas Pressure Sensor (Open / Short)
	Р6	[5	Р6	<i>C3</i>	Р6	EY	Р6	<i>C</i> 5	Р6	Retry Operation (by Alarm Cx-9x or Cx-Lx, x: Cycle No.)

[&]quot;"-"": Flickering , *1 : 21 Right side segment shows Fan No.

Normal Indication

If the unit is operated under a normal operation condition, the operation code (refer to the table below) is indicated on 7-Segment LED's of the control panel.

		Code			
No. 1 Cycle	No. 2 Cycle	No. 3 Cycle	No. 4 Cycle	No. 5 Cycle	Content
C188	C288	C388	C488	C588	Power Supply, After Stoppage
[][0	[5]	C3 Co	[46]	C5 Co	Cooling Operation
[] oF	[2 oF	$C3 \circ F$	CYOF	65 o F	Stoppage by Thermo-OFF
		PUPU			Pump Operation, Warning of Pump Feedback
C1 CE	65 CF	C3 CE	CYCE	C5 C &	Activation of Current Limiter
C1 E0	C2 E0	C3 E0	CYEO	C5 E0	Initializing Electronic Expansion Valve