

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block (Power Supply)	P. B.	Power Circuit Board	SW7	Switch (Function Setup)
TB2	Terminal Block (Branch Box)	U/V/W	Connection Terminal (U/V/W-Phase)	SW8	Switch (Function Setup)
MC	Motor for Compressor	L1	Connection Terminal (L1-Phase)	SW9	Switch (Function Setup)
MF1, MF2	Fan Motors	N1	Connection Terminal (L2-Phase)	CN31	Connector
21S4	Solenoid Valve (Four-Way Valve)	P2	Connection Terminal	CN51	Connector (Connection for Option)
63H	High Pressure Switch	N2	Connection Terminal	SS	Connector (Connection for Option)
63L	Low Pressure Switch	DCL1, DCL2	Connection Terminal (Reactor)	CN3S	Connector (Connection for Option)
63HS	High Pressure Sensor	IGBT	Power Module	CN1T	Connector (Connection for Option)
SV1, SV2	Solenoid Valve (Bypass Valve)	E1, E2, E3, E4	Connection Terminal (Ground)	CNDM	Connector <Connected for Option (Contact Input)>
TH3	Thermistor (Outdoor Pipe)	C. B.	Controller Circuit Board	LED1, 2	Light Emitting Diode
TH4	Thermistor (Discharge/Compressor)	SW1	Switch (Forced Defrost, Defect History Record Reset)	LED3	Light Emitting Diode (Operation Inspection Indicators)
TH6	Thermistor (Outdoor 2 - Phase Pipe)	SW2	Switch (Self Diagnosis Switch)	F1 ~ F4	Fuse (T6.3AL250V)
TH7	Thermistor (Outdoor)	SW4	Switch (Test Operation)	X51 ~ X55	Relay
DCL	Reactor	SW5	Switch (Function Switch)		
CB	Main Smoothing Capacitor	SW6	Switch (Model Select)		

**Operation / Inspection Display**

LED3 on the controller board displays the operation and inspection status as follows. If LED3 does not light, it indicates that no power is supplied to the board:

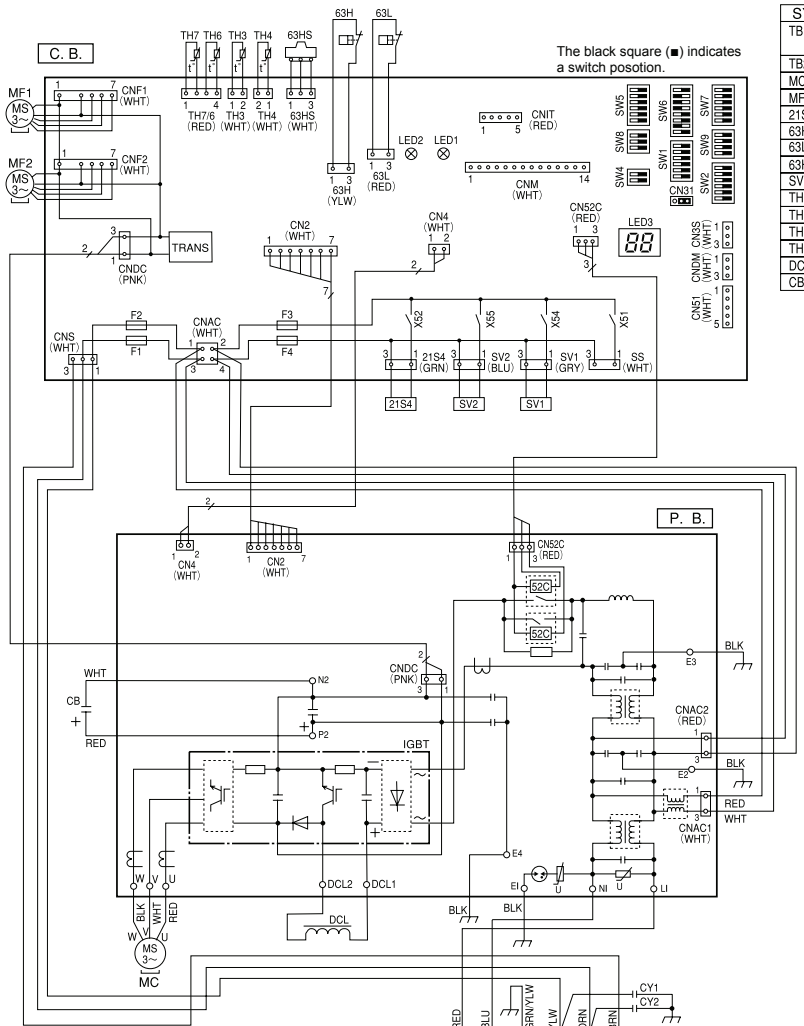
Details	Code	
Power turned on	- ← - (blinks)	
Normal status	Operation status display, such as C5, H7	
Faulty status (blinking)	63L connector (red) is open.	F3
	63H connector (yellow) is open.	F5
	2 connectors (63H/63L) are open.	F9
	Branch box/outdoor communication error (Signal receiving error)(Outdoor unit)	E8
	Indoor/branch box communication error (Signal receiving error)(Branch box)	
	Branch box/outdoor communication error (Transmitting error)(Outdoor unit)	E9
	Indoor/branch box communication error (Transmitting error)(Branch box)	
	· Mis-Wiring of indoor-branch box / branch box-outdoor unit connecting wire.	EA
	· Too many indoor units / branch box are in the system.	
	Mis-wiring of indoor-branch box/branch box-outdoor unit connecting wire (converse wiring or disconnection)	Eb
	Startup time over	Ec
	Communication error except for outdoor unit	E0 - E7
	Combination error, undefined error	EE, EF
	Serial communication error	Ed
	Discharge/Compressor temperature fault	U2
	Low-discharge superheating fault, Erroneous connection of refrigerant pipes or the connecting wires	U7
	High pressure fault (63H operates)	U1
	Low pressure fault (63L operates)	UL
	Abnormality of power moduls	U6
	Compressor over current shutoff (Start up locked)	UF
Current sensor fault (P. B.)	UH	
Compressor overcurrent shutoff fault	UP	
Discharge pipe/compressor thermistor (TH4) open or short-circuit	U3	
Outdoor unit thermistors (TH3, TH6, and TH7), 63HS, and branch box thermistors open or short-circuit	U4	
Radiator panel temperature fault	U5	
Abnormality in outdoor fan motor	U8	
Voltage fault, current sensor fault (P. B.)	U9	
Forced compressor stop (Overlap malfunction of drain pump in indoor unit and linear expansion valve in branch box)	PA	

**Caution for electrical work**

- Use copper supply wires.

**Cautions when Servicing**

- ⚠️ **WARNING:** When the main supply is turned off, the voltage [325 V] in the main capacitor will drop to 20 V in approx. 2 minutes (input voltage : 230 V). when servicing, make sure that LEDs on the outdoor circuit board go out, and then wait for at least 1 minute.
- Components other than the outdoor board may be faulty : Check and take corrective action, referring to the service manual. Do not replace the outdoor board without checking.



36

MODEL	SW6
MXZ-8B48NA	ON/OFF

The black square (■) indicates a switch position.

