

6.3 Lamp Display

(1) Printer mode display

Table 6.2

ALARM CATEGORY	ALARM	LED CONDITION					CONTENTS	TROUBLE SHOOTING
		ALARM	SEL	MENU	10CPI	15CPI		
OPERATOR ALARM	Paper end alarm	ON	OFF	—	—	—	From, cut sheet or bottom paper end	Set New paper.
	Paper change lever alarm	ON	OFF	—	BLINK 1	OFF	Change lever is set to TOP position while paper is already inserted from rear or bottom.	<ul style="list-style-type: none"> Set the lever to specified position. Check rear sensor lever. Replace Control Board
	Paper jam alarm	ON	OFF	—	OFF	BLINK 1	<ul style="list-style-type: none"> Cut sheet could not be ejected. Cut sheet could not be fed properly 	<ul style="list-style-type: none"> Remove the paper or check feed Mechanism Press SEL key.
	Print Head thermal alarm	OFF	—	BLINK 1	—	—	Print head temperature exceeds 119°C	<ul style="list-style-type: none"> Wait until it is cooled. Replace P.H. or Driver Board
	Space motor thermal alarm	OFF	—	BLINK 1	—	—	Temperature of space motor exceeds specified value.	<ul style="list-style-type: none"> It is recovered automatically Replace SP motor or Driver Board
FATAL ALARM		BLINK 2	OFF	OFF	See Table 6.3		Hardware Alarm has occurred.	See Table 6.3.

Note:

BLINK1 : 400ms ON, 400ms OFF

BLINK2 : 200ms ON, 200ms OFF

— : LED is kept in Current Condition (no change)

(2) Fault alarm display

When the printer detects any of the various alarm states, the information is displayed as shown below on the operation panel. The alarm is specified by lamp combination of PRINT QUALITY and CHARACTER PITCH. (See Table 6.3 for details.)

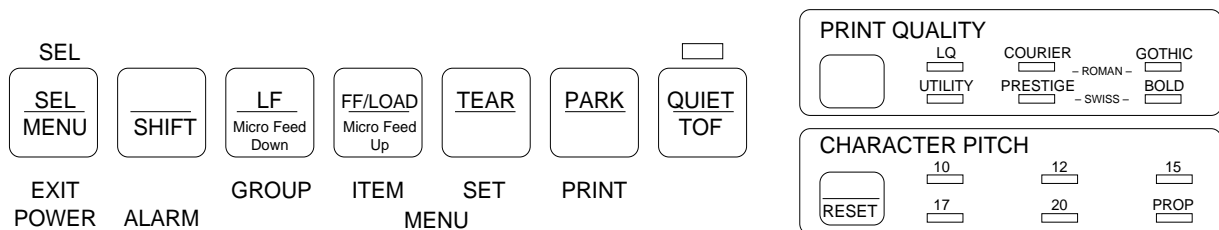


Figure 6-1

(3) Fatal Alarm

Table 6.3 (1/2)

ALARM CATEGORY	ALARM	LED DISPLAY										REMARKS	TROUBLESHOOTING		
		ALARM	10	12	15	17	20	PROP	UTILITY/PRESTIGE	BOLD					
MAIN CONTROL ALARM	MPU internal RAM alarm	◎	○											Read/write error	Replace Control/Power Supply Board
	Program ROM alarm	◎			○									Check sum error	Replace ROM or Control/Power Supply Board
	RAM on Control Board alarm	◎					○							Read/write error	Replace Control/Power Supply Board
	CG ROM alarm	◎			○					○				Check sum error	Replace Control/Power Supply Board
	EEPROM alarm	◎			○							○		No reaction when MPU reads data	Replace Control/Power Supply Board
FIRMWARE DETECTION ALARM	WDT (Watch Dog Timeout) alarm	◎				○								MPU is locked up and is reset after 65ms.	Turn the power OFF and ON or replace Control/Power Supply Board
	NMI signal alarm	◎				○					○			NMI port of MPU is kept low level.	Turn the power OFF and ON or replace Control/Power Supply Board
	BRK instruction alarm	◎				○						○		FFFF data is detected due to MPU locked up.	Replace ROM or Control/Power Supply Board
SERIAL INTERFACE ALARM	MPU internal RAM alarm	◎	○									○		Read/write error	Replace I/F Board
	ROM alarm	◎			○							○		Check sum error	Replace ROM on I/F board or I/F Board
	RAM on I/F board alarm	◎								○				Read/write error	Replace I/F Board
	I/F not mounted	◎											○	No reaction from serial I/F board	Replace I/F Board or Control Board.

◎ : LED Blink (200ms ON, 200ms OFF)

○ : LED Lights up

Table 6.3 (2/2)

ALARM CATEGORY	ALARM	LED DISPLAY										REMARKS	TROUBLESHOOTING		
		ALARM	10	12	15	17	20	PROP	UTILITY	PRESTIGE	BOLD				
SPACING ALARM	Spacing alarm	☉						○	○					Space IPT is not occurred within the specified timing.	<ul style="list-style-type: none"> • Replace space motor. • Replace P.H. cable. • Replace Control/Power Supply Board • Check the mechanisms if load is too much.
	Print Head homing alarm	☉						○				○		Print head does not reach to the home position.	
PRINT HEAD ALARM	Print Head A/D alarm	☉	○								○			Thermister is open, short with 0V or short with +5V.	<ul style="list-style-type: none"> • Check the P.H. connection. • Replace Print Head. • Replace P.H. cable. • Replace Control/Power Supply Board
	Print Head Gap A/D alarm	☉	○								○			Print Head Gap Signal open	<ul style="list-style-type: none"> • Replace P.H. cable. • Replace Space Motor Assy. • Replace Control/Power Supply Board

☉ : LED Blink (200ms ON, 200ms OFF)

○ : LED Lights up