

3.5. Errors checking mode (Displaying the protection history)

3.5.1. Specifications

Error mode (Displaying the protection history):

When the set is started up in this mode, the error information is displayed.

3.5.2. About the display on the FL display

When the "STATUS" button is pressed after setting the error (protection history display) mode is set, a history like the one shown below is displayed, depending on the conditions.

- (1) Normal (when there has been no protection incident)

| | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Upper | P | R | O | T | E | C | T | | H | I | S | T | O | R | Y | |
| Lower | : | N | O | | P | R | O | T | E | C | T | | | | | |

- (2) For ASO (when the last protection incident was ASO protection)

| | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|--|
| Upper | P | R | O | T | E | C | T | | H | I | S | T | O | R | Y | |
| Lower | : | A | S | O | | | | | | | | | | | | |

Cause: The line between speaker terminals is shorted, or speakers with impedance of less than the rated value.

Supplementary information: As the excess current is detected after operation of the speaker relay, a short on the speaker terminal and the connected speaker can be identified.

If the power is turned on without correcting the abnormality, the protection function will work about 7 seconds later and the power supply will be shut off.

- (3) For DC (when the last protection incident was DC protection)

| | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|--|
| Upper | P | R | O | T | E | C | T | | H | I | S | T | O | R | Y | |
| Lower | : | D | C | | | | | | | | | | | | | |

Cause: DC output of the power amplifier is abnormal.

If the power is turned on without correcting the abnormality, the protection function will work about 7 seconds later and the power supply will be shut off.

- (4) For THERMAL (when the last protection incident was THERMAL protection)

| | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Upper | P | R | O | T | E | C | T | | H | I | S | T | O | R | Y | |
| Lower | : | T | H | E | R | M | A | L | * | | | | | | | |

*: A, B

Cause: The temperature of the heat sink is excessive.

If the power is turned on without correcting the abnormality, the protection function will work about 7 seconds later and the power supply will be shut off.

- (5) For CURRENT (when the last protection incident was CUIRRENT protection)

| | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|--|
| Upper | P | R | O | T | E | C | T | | H | I | S | T | O | R | Y | |
| Lower | C | U | R | R | E | N | T | | | | | | | | | |

Cause: Continuous and abnormal output is detected while using speakers with multiple channels.

If the power is turned on without correcting the abnormality, the protection function will work about 1 minute later and the power supply will be shut off.

※ Additional causes of protection can be due to loose connections, associated components, Microprocessor, etc.

When the "STATUS" button is pressed again after the above protection history as shown above is displayed, the normal display reappears.(Refer to "PROTECTION DIAGRAM" 33 page.)

3.5.3. Clearing the protection history

There are two ways to clear the protection history, as described below.

- (1) Start up the set in error (protection display) mode and display the error, then press and hold down the "ENTER" button for 3 seconds.

| | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Upper | P | R | O | T | E | C | T | | H | I | S | T | O | R | Y |
| Lower | : | T | H | E | R | M | A | L | | A | | | | | |

Press the "ENTER" button for 3 seconds.

| | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Upper | P | R | O | T | E | C | T | | H | I | S | T | O | R | Y |
| Lower | | | | | | C | L | E | A | R | | | | | |

The above is displayed and the protection history is cleared.

| | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Upper | P | R | O | T | E | C | T | | H | I | S | T | O | R | Y |
| Lower | : | N | O | | P | R | O | T | E | C | T | | | | |

- (2) Initialize. (Refer to "Initializing INTEGRATED NETWORK AV RECEIVER" 9 page.)

※ If you want to save a backup, perform the method in 2.3.(1) above.

Warning indication by the POWER LED

If the power is turned off when a protection incident has been detected, the POWER LED (red) flashes as a warning according to the conditions in which the protection incident occurred.

- (1) ASO/DC PROTECTION : Flashes at intervals of 0.5 seconds (0.25 seconds lit, 0.25 seconds off)
- (2) THERMAL (A/B) PROTECTION : Flashes at intervals of 2 seconds (1 second lit, 1 second off)
- (3) CURRENT PROTECTION : Flashes at intervals of 4 seconds (2 second lit, 2 second off)

3.6. 232C standby clear mode

3.6.1. Specifications

This switches the 232C standby mode to the Normal standby mode.

3.6.2. Starting up

Press the "ENTER" button while the following is displayed to switch to the Normal standby mode.

| | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Upper | | 2 | . | P | R | O | T | E | C | T | I | O | N | | |
| Lower | ▶ | 3 | . | R | S | 2 | 3 | 2 | C | | R | E | S | E | T |