



# **INSTRUCTION MANUAL**

**CONNECTING TERMINAL BASE  
MODEL 18-00058B**

**NOISE LABORATORY CO., LTD.**

1.04 Edition  
AEE00025-00E-0E

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## **1. IMPORTANT SAFETY PRECAUTIONS**

Thoroughly understand the following precautions before use, as they are important matters for handling this unit in safety.

- 1. As the high voltage and great electric current (15kV 7500A maximum) are passed through the terminals and sockets of this unit, peruse the instruction manuals of this unit and the lightening surge simulator this product is going to work with and carefully handle them according to instruction on the manuals. Mishandling or careless operation may result in a fatal wound.**
- 2. This unit cannot be used in an explosive area, fire prohibited area, etc. Use of this unit in such an area is liable to cause combustion or ignition.**
- 3. A person who has a pacemaker on should not operate this unit and also should not enter the area where it is operating.**
- 4. When connecting the EUT cord plug with the high voltage output cable (standard accessory of LSS-F03) or an optional multi-receptacle, be sure to turn off the line breaker and the high voltage circuit of the LSS-F03 beforehand. Otherwise, you may receive an electric shock.**
- 5. The withstanding surge voltage of the outlet part of this unit is 4.5kV Max.**
- 6. Be sure to connect the switching lines for setting AC100V/200V to the connecting terminals correctly.**



## 2.APPLICATION FORM FOR INSTRUCTION MANUAL

We place an order for an instruction manual.

**Model:** 18-00058B

**Applicant:**

Company name: \_\_\_\_\_

Address: \_\_\_\_\_

Department: \_\_\_\_\_

Person in charge: \_\_\_\_\_

Tel No.: \_\_\_\_\_

Fax No. \_\_\_\_\_

**Cut off this page “APPLICATION FORM FOR INSTRUCTION MANUAL” from this volume and keep it for future use with care.**

When an INSTRUCTION MANUAL is required, fill in the above Application Form and mail or fax it to the following sales department of our company.

**To: Noise Laboratory Co., Ltd.**

**1-4-4 Chiyoda Sagamihara City,**

**Kanagawa Pref., 229-0037 Japan**

**Tel: +81-(0)42-712-2051**

**Fax: +81-(0)42-712-2050**

Cut  
line



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## 4. PREFACE

We thank you for your purchase of the Connecting Terminal Base (Model: 18-00058B) for the Lightning Surge Simulator LSS series.

This unit provides a socket to put in a plug of the EUT when performing an AC line test using the LSS series.. A versatile socket is used so that the plug used in the various countries can be put in.

This manual contains how to use the 18-00058B and other important information. In order to obtain the highest performance, thoroughly understand the contents of this manual and use as ready reference for operation.

Although the current rating of the terminals block is 50A, current shall be restricted to the rating of the multi-receptacles (15/16A).

- **This Instruction Manual will help operators handle and utilize the connecting terminal base (Model: 18-00058B) in safety.**
- **Keep this Instruction Manual in a place where it is readily available.**



## 5. HOW TO CONNECT

### 1. Connection of the 18-00058B with the LSS-F03

Plug the connector side of the surge output cables for LINE coupling (included in the LSS-F03 simulator package) into the AC/DC LINE INJECTION terminals, and connect the other end to ①Input terminals of this unit.

**(Notice) Each input terminal indicates “L1”, “L2”, “L3” “N” or “PE”.**

**Be sure to connect them correctly.**

### 2. Wiring of the 18-00058B

- (1) Connect the cable of the EUT directly to the input terminals of this unit. For connection, use 6mm solderless pressure terminals.

**(Notice)**

1. Each ②Connecting terminal indicates “L1”, “L2”, “L3” “N” or “PE”.

**Be sure to connect them correctly.**

2. For connection, use a cable with sufficient withstand voltage.

- (2) When Multi-receptacle is used.

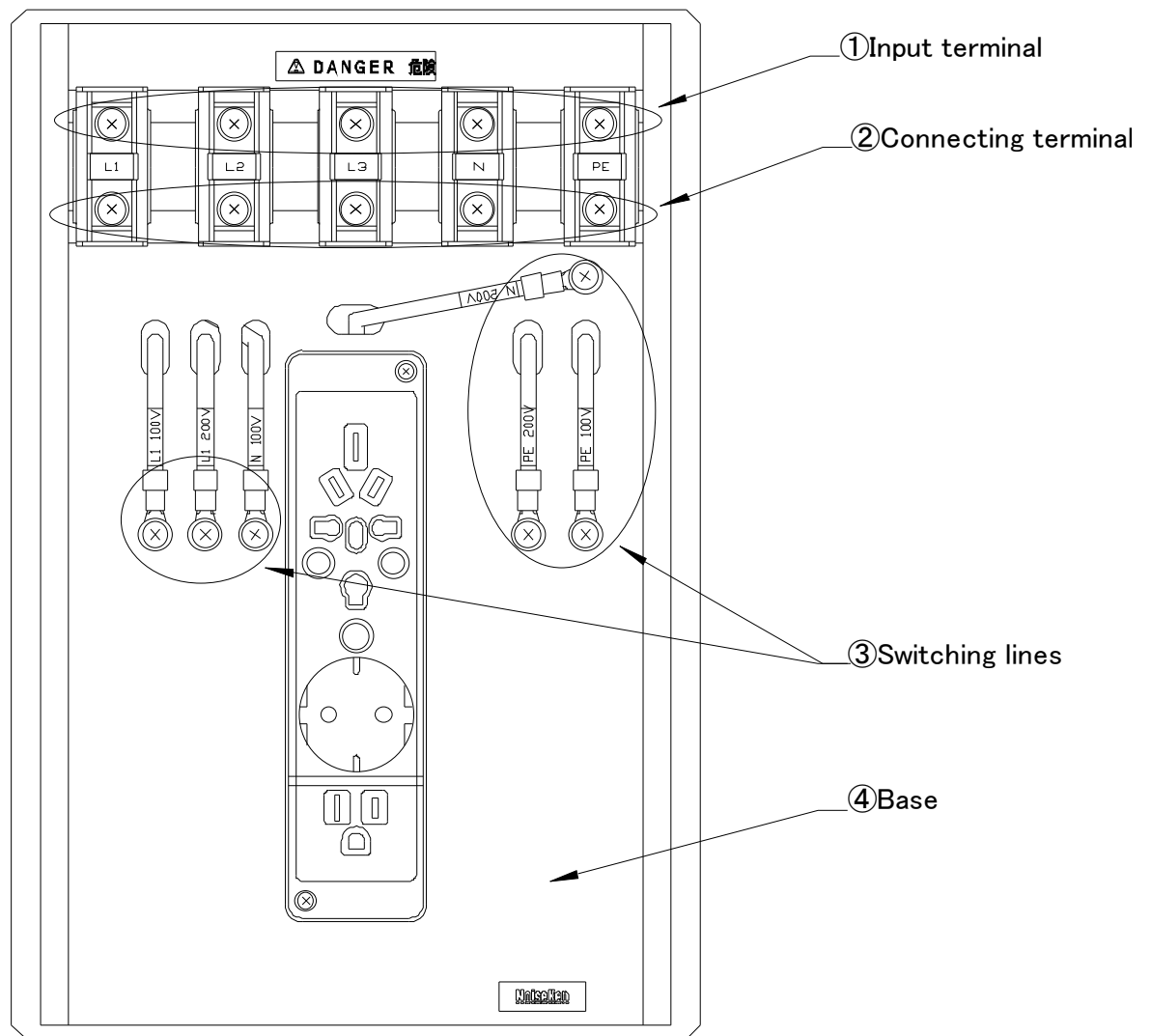
18-00058B provides ③Switching line for setting AC100V and AC200V. These lines are fixed to ④Base by the screws before shipment. According to the driving power supply of the EUT, remove the lines from ④Base and connect them with ②Connecting terminals.

(example)

When the plugs for JIS, US and CSA are used, remove the lines indicating 100V from the base and connect them with the L1,N and PE terminals.

(Notice)

- 1) Fix the solder less terminals of the unused switching lines on the base with the screws.
- 2) Set up the switching lines for setting AC100V and AC200V correctly.
- 3) Do not use this unit with short-circuiting [PE] of switching line for setting AC100V and that for setting AC200V.



Appearance of 18-00058B

## 6. SPECIFICATIONS

Item	Specifications	Notice
Voltage / Current operation range	For using terminal base	
	AC500V/50A Max (50/60Hz) DC125V/50A Max	
	For using outlet	
	Refer to the table 1 as under.	
Surge input voltage	For using terminal base	
	±15kV Max	※1: Combination wave
	For using outlet	
	±4.5kV Max	※1: Combination wave ※2: In open status
Temperature/ Humidity	Operation range: 15~35°C / 25~75%	※3: Without dewing
Dimensions	(W)240x(H)81.5x(D)360mm	※4: Without projection



















Area	Country	Standard	Plug shape	Rate	WCF 5901	Area	Country	Standard	Plug shape	Rate	WCF 5901			
A	Japan USA Canada	JIS UL CSA		2P 15A 125V	○	C	Europe	CEE DIN		2P 2.5A 250V	○			
				Earth 2P 15A 125V	○					2P 10/16A 250V	○			
AS	Australia	AS		2P 10A 250V	○				B	United Kingdom	BS		Earth 2P 10/16A 250V Side earth	○
				2P 7.5A 250V	○								Earth 2P 10/16A 250V Double earth	○
				Earth 2P 10A 250V	○								Earth 2P 10/16A 250V Pin earth	×
				Earth 2P 15A 250V	○								2P 5A 250V	○
C	Switzerland	SEV		2P 10A 250V	○				BS		Earth 2P 5A 250V	○		
				Earth 2P 10A 250V	○						Earth 2P 15A 250V	○		
	Italy	CEI		Earth 2P 10A 250V	○						Earth 2P 13A 250V	○		

Table 1

## 7. WARRANTY

### **Servicing terms**

The following terms are applicable to servicing by Noise Laboratory Co., Ltd., (hereafter referred to as the Company) provided to maintain the intended performance of its products.

1. Scope

The following terms shall apply only to products made by the Company.

2. Technical servicing fee

In the event of a failure of a product within the warranty period (see warranty section), the Company will repair a product without charge. After the warranty expires, repairs will be billed at a nominal cost.

3. Ownership of defective parts

Any defective part exchanged under the Company's servicing belongs to it.

4. Limited liability

In the event that damages resulting from servicing by the Company are intentional or caused by negligence, the Company will pay the cost but at the purchase value of the relevant product maximum. But, notwithstanding the foregoing, the Company shall not be responsible for any incidental or consequential damages of any nature, including without limitation thereof loss of would-be profit or compensation demanded from a third party

5. Refusal to offer servicing

The company may not accept a repair order in the following cases:

- More than 5 years have passed since the product discontinued
- More than 8 years have passed after delivery
- Required component for servicing already discontinued and no alternative is available.
- Product changed, repaired or remodeled without obtaining a prior permission from the Company.
- Product severely damaged to the extent it has lost its original form

## Limited warranty

Noise Laboratory Co., Ltd. (hereafter referred to as the Company) warrants its products to be free from defects in materials and workmanship under normal use and service for a period of one year from date of delivery. In the event of failure of a product covered by this warranty, the Company will repair the product or may, at its option, replace it in lieu of repair without charge.

Notwithstanding the foregoing, the Company shall not be responsible for any incidental or consequential damages of any nature, including without limitation thereof loss of would-be profit or compensation demanded from a third party. This warranty is valid only in Japan.

### 1. Scope

This warranty shall only apply to products made by the Company.

### 2. Period

One year from date of delivery. The warranty may be valid in 6 months after servicing if the same failure on the same component has repeated.

### 3. Exclusions

The followings are exclusions from this warranty:

- Consumable parts (including HV relay)
- Failure caused by misuse, neglect, accident or abnormal conditions of operation
- Failure caused by remodeling on the user side without prior permission from the Company
- Failure caused by servicing by unauthorized personnel by the Company
- Failure due to force majeure including but not limited to, acts of God, fire, war, riot, rebellion and others
- Failure due to shock or drop in or after transit
- Failure due to operation in environment being out of ambient specifications.
- A unit shipped to overseas.

## **8. MAINTENANCE**

1. When repair, maintenance or internal adjustment of the unit is required, a qualified service engineer takes charge of such work.
2. Maintenance on the user side is restricted to the outside cleaning and functional check of the unit.
3. When checking or replacing the fuse, turn off the switch of the unit and disconnect the plug socket beforehand.
4. When cleaning the unit, turn off the switch of this unit and the connected equipment and disconnect the plug socket beforehand.
5. Avoid using chemicals for cleaning. Otherwise, the coating of the unit may peel off or the sight glass may be broken.
6. Do not open the cover of this unit.

## 9. SUPPORT

- If a symptom that seems a trouble is found, check the symptom against the following check sheet and inform the model name and serial Number of the product together with the symptom to Noise Laboratory or our nearest sales agent in your area.
- When the product is returned to Noise Laboratory, write the state of the trouble, contents of your request, model name and serial number in a repair order, pack the product and repair order sheet in the former package or equivalent suitable for transit, and send them back.

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