

REMOTE CONTROLLER RC02-PLZ



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■ Receiving Inspection

Upon receipt of the remote controller, please immediately inspect it to check that it has not been damaged when in transportation. Also check that the accessories are not missing.

■ Accessories

The following accessories accompany the remote controller.

- Cable (3 meters long) with mini-plug (with cable lock). I piece

- Operation manual 1 copy



The magnet sheet has strong magnetism. Do not put it near a
memory device or devices vulnerable to magnetism--such as
floppy disks or magnetic cards. If you put it near such a memory
device or devices, it will destroy data stored on the memory
device or devices.

Keep this manual near the remote controller so that you can refer to this manual whenever you want to.

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Chapter 1. GENERAL

1.1 Introduction

Model RC02-PLZ Remote Controller allow you to control a Series PLZ-3W Electronic Load from a remote location. The functions of the remote controller are identical with those of the front panel of the electronic load. The remote controller has a numeric entry keypad for settings of I SET, R SET, V SET values, and setting of time with a numeric value.

Before start using these instruments, read this manual and that of the electronic load.

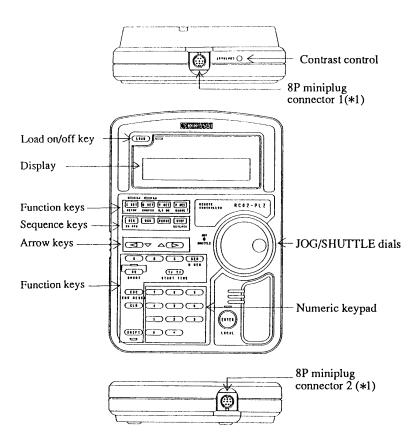


 In the text of this manual, term "remote controller" is used to denote Model RC02-PLZ Remote Controller and term "electronic load" to denote a Series PLZ-3W Electronic load.

Chapter 2. PREPARATION

2.1 Layout of Panel Items

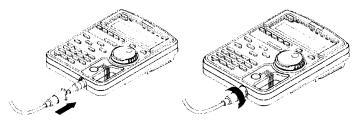
The layout of the panel items of the remote controller are shown bellow.



*1: Use one of the connectors 1 and 2. Do not use both of them at the same time.

2.2 Connecting the Cable

Connect one end (which has the 8P mini plug with cable lock) of the cable to 8P mini plug 1 or 2 of the remote controller. To secure the cable, turn the cable lock clockwise as illustrated below. Connect the other end of the cable to connector J1 on the front sub-panel of the electronic load.



(Caution)

• Never connect or disconnect the cable when power of the electronic load is on. Before connecting the cable, be certain the power of the electronic load is off.

Installation the split cores

- 1. Unlock the core and open it.
- 2. Close the core so that the cable is not caught in it.
- 3. As shown in Fig.1, tie up the cable with the accompanying stopper band. Keep the distance between the plug and the core below 100 mm.

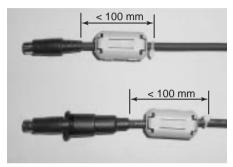


Fig.1

Installation the connector cover

Install the connector cover of the 8P mini plug connector which is not used. Installation

- 1. As shown in Fig.2, insert the accompanying connector cover from the lower part of the connector.
- 2. Insert the cover till the it is locked.



Fig.2

Removal

- 1. Unlock the connector cover with tweezers.
- 2. Slowly pulled down the connector cover.

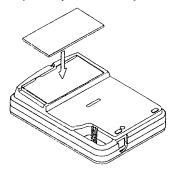


Fig.3

2.3 Attaching the Magnet Sheet

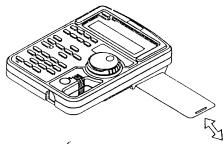
Remove the seal of the magnet sheet that is supplied accompanying the remote controller, and attach the magnet sheet onto the bottom of the remote controller.

- (Caution) The magnet sheet has strong magnetism. Never put it near a memory device or devices vulnerable to magnetism--such as floppy disks or magnetic cards. If you put it near such a memory device or devices, it will destroy data stored on the memory device or devices. You may neglect this instruction only on your own risk.
 - The magnet sheet is to be used to prevent slipping of the remote controller on a horizontal plane only. It is not for attaching the remote controller onto a vertical plane--never attempt to use it in this manner as the remote controller may fall down and may destroy itself or hurt you.



2.4 Reference Card

The reference card can be pulled out to the right as illustrated below. It shows the sequence data and program edit display data.



Cahpter 3. OPERATION METHOD

3.1 Operation Method

The functions of the panel items of the remote controller are identical with those of the front panel of the electronic load. For the operation method of the panel items, refer to the operation manual of the electronic load.

3.2 Numeric Keypad

You can use the numeric keypad for the below-mentioned purposes. To enter a numerical value, type a numerical value with the numeric keypad and then press the [ENTER] key. When you have hit an wrong numeric entry key by mistake, press the [CLR] key to clear the wrong number and then repeat the entry procedure all over again.

- 1) Settings of I SET, R SET, V SET, and P SET values
- 2) Storing of the above values and time data onto memory A, B, or C
- 3) From sequence mode menus
 - a) Settings of voltage, resistance, voltage, powre, and time from [1: Modify] of [1: Edit Program] of [2: Mode].
 - b) Setting of number of steps for [2: Insert] or [3: Delete] of the same hierarchical level.
 - c) Settings of program number, loop number, chain sequence number, and end program number of [2: Edit sequence] of [2: Edit].

Chapter 4. PRECAUTIONS

- Never connect or disconnect the cable when power of the electronic load is on.
 Before connecting the cable, be certain that power of the electronic load is off.
- 2) With the remote controller connected to the power supply, allow a period of 5 seconds or more before turning-on the electronic load which has been turned off. That is, once you have turned-off the electronic load, be sure to keep it in the off state for more than 5 seconds.
- Do not attempt to control the electronic load simultaneously from the front panel and from the remote controller. If you do this, the electronic load may operate erroneously.
- 4) Pay attention so that no unreasonably large tension or other unfavorable force is applied to the cable that connects the remote controller to the electronic load. If you handle the cable roughly, its 8P miniplug may be damaged.

Examples of rough handling:

- a) To suspend the remote controller with the cable
- b) To pull the cable to disconnect the plug
- 5) Lay the cable neatly and safely along a secured path. Avoid, so far as avoidable, laying the cables on a floor--especially near a traffic path.
- 6) Do not press the surface of the LCD (liquid crystal display) unreasonably strongly. If you do this, the life of the LCD may be shortened or the LCD may be damaged.
- At lower temperatures, the response speed of the LCD may become slower.
 This is not an abnormal indication.

Chapter 5. INSPECTION AND MAINTENANCE

When the surface of the remote controller has become dirty, you may clean it.
 To clean the controller surface, use a cloth moistened with thin neutral soapsuds. Never use chemcial detergent.



- Never use benzine, thinner or other chemical detergent.
 If you use it, the surface may be discolored, letters may become illegible, and the display may become cloudy.
- 2) Check the cable sheath and 8P miniplug for breakage.

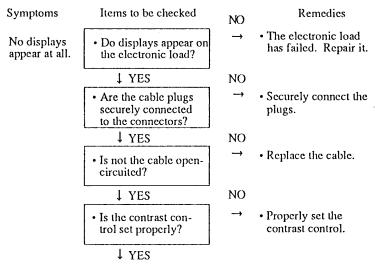
5.1 Checkup Before Ordering Repair

When the remote controller has become failed seemingly, check it as described in this section in order to make certain that the remote controller has actually failed.

(WARNINGS)

Never remove the cover of the remote controller.
 The internal components of the remote controller must be serviced only by the qualified electronics personnel.

Checkup Procedure



Order your Kikusui agent for repair.

All keys do not work.

- Are the cable plugs securely connected to the connectors?
- NO
 - Securely connect the plugs.

↓ YES

• Is not the cable opencircuited?

- NO
 - → Replace the cable.

↓ YES

NO

 Have not you connected or disconnected the cable when power of the electronic load is on? Turn-off power of the electronic load once.
 After more than 5seconds has elapsed, turn-on power again.

1 YES

Order your Kikusui agent for repair.

Chapter 6. SPECIFICATIONS

Ambient Conditions

Operable temperature : 0 to 40°C

Operable humidity : 30 to 80% RH (no condensation)

Storage temperature : -20 to 70°C

Storage humidity : 20 to 80% RH (no condensation)

Display

20 columns x 2 rows, STN-type LCD,

Character structures: 5 dots x dots, with cursor.

Power consumption

300 mW (typical)

Dimensions and Weight

Dimensions : 180 D x 128 W x 50 H mm

Weight : Approximately 400 grams

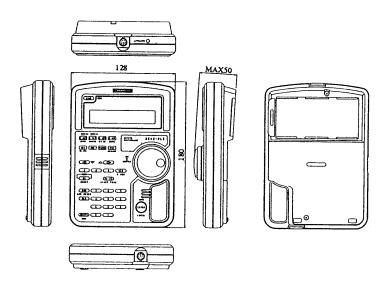
(excluding cable and magnet sheet)

Accessories

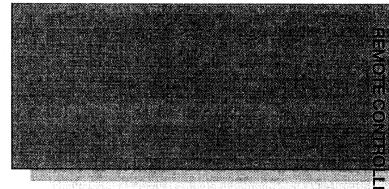
8-pin mini-plug cable (2 meters long), with cable lock	3
Magnet sheet (seal on one side)	ŧ
Split cores (with stopper bands)	es
Connector cover	2
Operation manual	,

Appendix: EXTERNAL VIEWS AND DIMENSIONS

[UNIT:mm]



RC02-PLZ



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