

# Connection to the PLZ-WU Series

## 1. Control Parameters

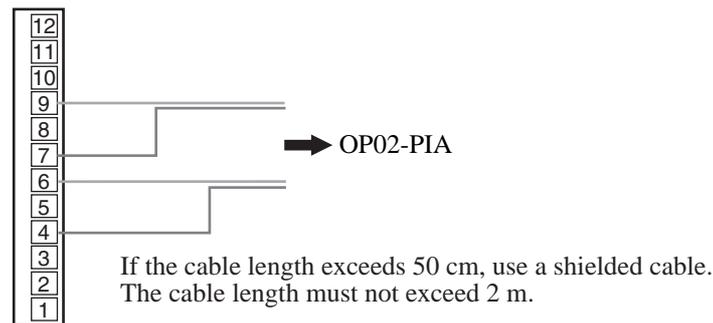
The PLZ-WU series is controlled on the OP02-PIA using the remote-control terminal board on the rear panel.

The following parameters can be controlled.

- Load current setting
- Load ON/OFF

## 2. PLZ-WU

In accordance with 9.6, “Connection to CH1/CH2 Connectors” of PIA4800 series operation manual, connect the OP02-PIA to the remote-control connector J1. Use the remote cable accompanying the PLZ-WU series.



PLZ-WU series  
Remote-control connector J1

Fig.1 PLZ-WU connections

Table 1 Pin layout for the PLZ-WU

PLZ-WU series Remote-control connector J1	OP02-PIA CH1/CH2	Remarks
6	C	Constant-current mode
4	D	Common for constant-current mode
9	E	Load ON/OFF
7	F	Common for load ON/OFF

### 3. Preparation for Starting Control

#### Settings of the PLZ-WU series

Set the switches on the front panel as follows:

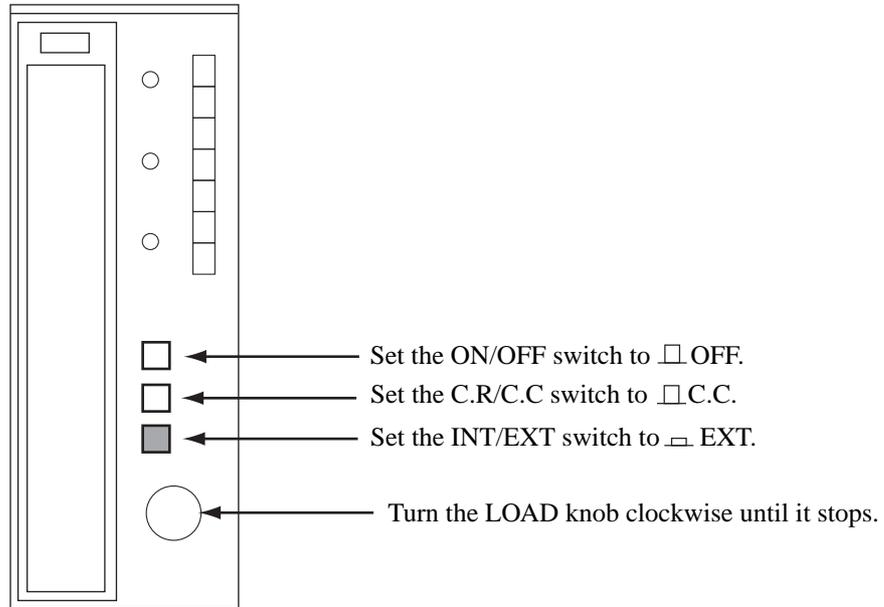


Fig.2 PLZ-WU settings



## Setting and checking the Model ID of the PLZ-WU series

The newest version of ID list can be downloaded from download service of Kikusui website (<http://www.kikusui.co.jp/en/download/>).

Table 2 ID list

ID No	Model	Output-current setting range [A]	Switch setting position <sup>*1</sup> the control board	
			100/200 <sup>*2</sup>	101/201 <sup>*2</sup>
408	PLZ50WU	0-10.000	H	NO
409	PLZ150WU	0-30.000	H	NO
410	PLZ300WU	0-60.00	H	NO

\*1. The setting positions for the switch of OP02-PIA.

\*2. The number "100" and "101" are applied for the switch of Channel 1, "200" and "201" are for the switch of Channel 2.

For the ID settings, see 3.4, "Configuration Software" of PIA4800 series operation manual.

## Calibrating the PLZ-WU series

When a new Model ID has been set, be sure to conduct calibration.

Calibration can be performed for parameter: output voltage.

For the calibration procedure, see Chapter 3, "Calibration by Device Configuration" of PIA4800 series operation manual.

## Checking the performance of the PLZ-WU series

### Checking procedure (example)

Connect a power-supply unit to the DC INPUT terminal to prepare for current application.

By sending the message "NODE 1;CH 1;ISET 1.0" to the PIA4800 series, make sure the preset current on the PLZ-WU series is 1.0 A.

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- CAUTION** • In the above performance check, set a current value compatible with the power-supply unit connected to the DC INPUT terminal.
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## 4. Commands

For the commands, see "Device Messages" of Connecting & Programming Guide.

