

Connection to the PLZ-W Series

1. Control Parameters

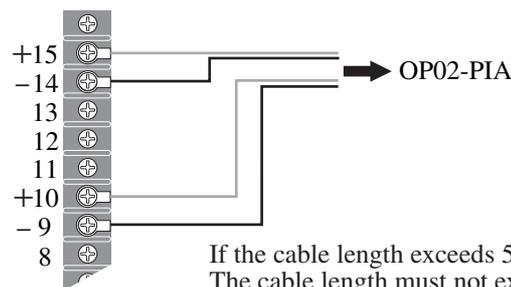
The PLZ-W series is controlled on the OP02-PIA using the remote-control terminal board on the rear panel.

The following parameters can be controlled.

- Load current setting
- Load ON/OFF

2. PLZ-W

In accordance with 9.6, “Connection to CH1/CH2 Connectors” of PIA4800 series operation manual, connect the OP02-PIA to the remote-control terminal board of the PLZ-W series.



If the cable length exceeds 50 cm, use a shielded cable.
The cable length must not exceed 2 m.

PLZ-W series
Control terminal board on the rear panel

Fig.1 PLZ-W connections

Table 1 Pin layout for the PLZ-W

PLZ-W series Control terminal board on the rear panel	OP02-PIA CH1/CH2	Remarks
Terminal 15	C	Constant-current mode
Terminal 14	D	Common for constant-current mode
Terminal 10	E	Load ON/OFF
Terminal 9	F	Common for Load ON/OFF

3. Preparation for Starting Control

Settings of the PLZ-W series

Set the switches on the front panel as follows:

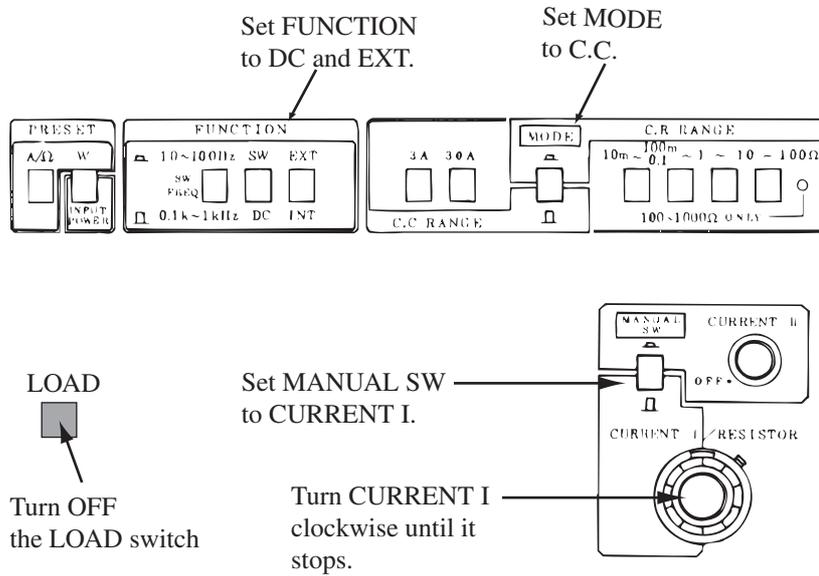


Fig.2 PLZ-W settings



Setting and checking the Model ID of the PLZ-W 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 on ^{*1} the control board	
			100/200 ^{*2}	101/201 ^{*2}
400	PLZ150W (3A)	0-3.0000	H	NO
401	PLZ150W (30A)	0-30.000	H	NO
402	PLZ300W (6A)	0-6.000	H	NO
403	PLZ300W (60A)	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.

Set the Model ID compatible with the C.C range that you have selected on the panel.

Calibrating the PLZ-W 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-W 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;LOAD 1" to the PIA4800 series, make sure the preset current on the PLZ-W series is 1.0 A.

⚠ CAUTION • In the above performance checks, set the current value compatible with the power-supply unit connected to the DC INPUT terminal.

4. Commands

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