

Connection to the PLZ-W2 Series/ PLZ152WA

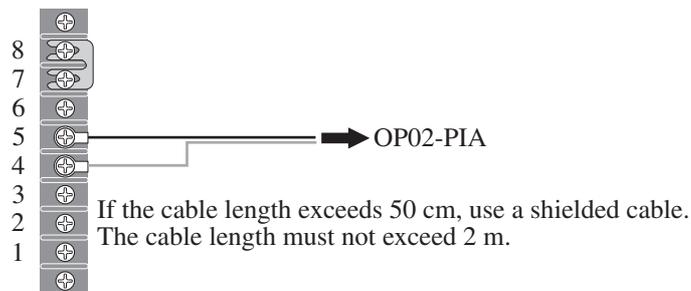
1. Control Parameters

If the control board "OP02-PIA" is used, it enables to set the load current.

2. Connection to the PLZ-W2 Series/PLZ152WA

The PLZ-W2 series and the PLZ152WA can be controlled by the OP02-PIA using the remote terminal block on the rear panel.

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 on the PLZ-W2 series/PLZ152WA.



PLZ-W2 series/PLZ152WA
Control terminal board on the rear panel

Fig.1 PLZ-W2 connections

Table 1 Pin layout for PLZ-W2 series/PLZ152WA

PLZ-W2 series /PLZ152WA Control terminal board	OP02-PIA CH1/CH2	Remarks
Terminal 4	C	Constant-current mode
Terminal 5	D	Common for constant-current mode

3. Preparation for Starting Control

Settings on the PLZ-W2 series/PLZ152WA

Set the switches on the front panel as follows:

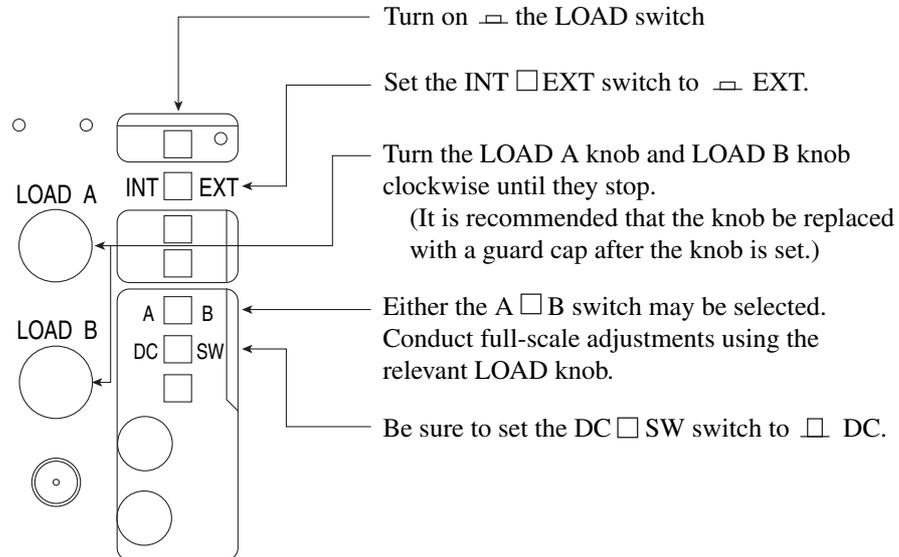


Fig.2 PLZ-W2 Settings (Example for PLZ72W panel)

NOTE

- To prevent the LOAD setting knob from rotating, use of a guard cap is recommended. Note that the calibration value changes if the output setting knob is rotated following calibration.

Setting and checking the Model ID of the PLZ-W2 series/ PLZ152WA

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}
404	PLZ72W (1.2A)	0-1.2000	H	NO
405	PLZ72W (12A)	0-12.000	H	NO
406	PLZ152W/PLZ152WA (3A)	0-3.0000	H	NO
407	PLZ152W/PLZ152WA (30A)	0-30.000	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 setting procedure, see 3.4, "Configuration Software" of PIA4800 series operation manual.

The same Model ID is assigned to the PLZ152W and the PLZ152WA.

Calibrating the PLZ-W2 series/PLZ152WA

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

Calibration can be performed for parameter: output current.

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

Checking the performance of the PLZ-W2 series/PLZ152WA

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-W2 series or PLZ152WA 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.