

OPTB_ Option Boards

OPTB_ option boards are installed in slots B, C, D or E. These boards are used to increase the number of control inputs and outputs. These boards may not be installed in slot A.

There are no board-related parameters for OPTB_ I/O expander boards, except for board OPTBB.

Table 19: OPTB_ Board Features

I/O Board	Allowed Slots	Digital Input (DI)	Digital Output (DO)	Analog Input (AI)	Analog Output (AO)	Relay Output (RO)	Thermistor Input		42 – 240V AC Input	Other
							(TI)	(PT-100)		
OPTB2	B, C, D, E					2	1			

Option Board B2

OPTB2

Description: I/O expander board with a thermistor input and two relay outputs.

Allowed slots: B, C, D, E

Type ID: 16946

Terminals: Three terminal blocks; Screw terminals (M3) (see **Figure 39**)

Keying: None

Jumpers: None

Board parameters: None

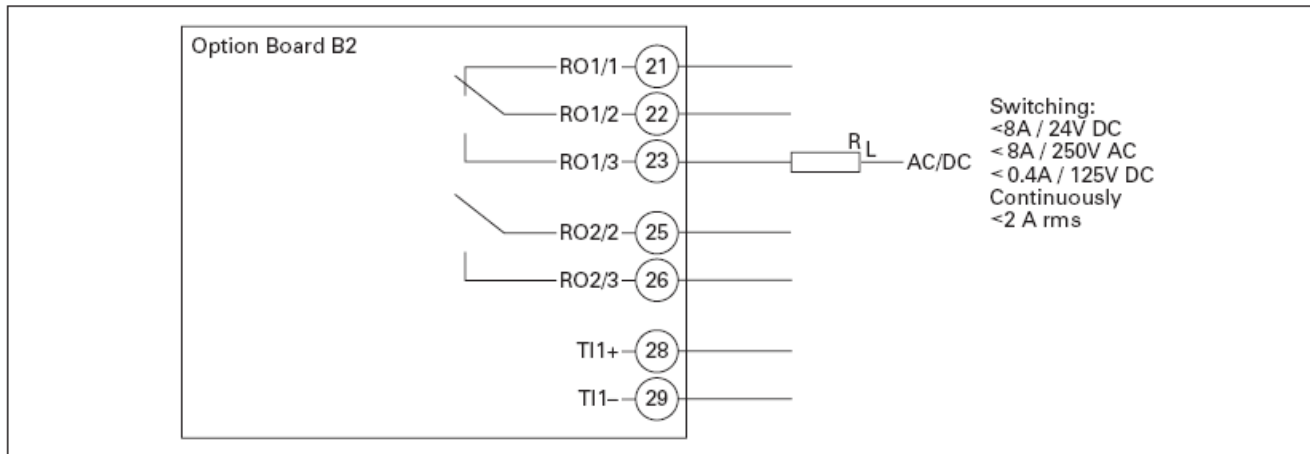


Figure 38: Option Board B2 Wiring Diagram

Table 21: Option Board B2 Terminal Descriptions

Terminal	Function	Keypad Parameter Reference	Technical Information
21	RO1/1 Normally Closed (NC)	DigOUT: X.1	Switching capacity: 24V DC/8A 250V AC/8A 125V DC/0.4A Min. switching load: 5V/10 mA Continuous capacity: < 2A rms
22	RO1/2 Common		
23	RO1/3 Normally Open (NO)		
25	RO2/2 Common	DigOUT: X.2	Switching capacity: 24V DC/8A 250V AC/8A 125V DC/0.4A Min. switching load: 5V/10 mA Continuous capacity: < 2A rms
26	RO2/3 Normally Open (NO)		
28	TI1+	DigIN: X.1	Thermistor input; $R_{trip} = 4.7 \text{ k}\Omega$ (PTC)
29	TI1-		

Note: This board can be installed in four different slots. The “X” in the Keypad Parameter Reference shall be replaced by the slot letter (B, C, D, or E) of the slot in which it is installed. See “Defining Functions to Inputs and Outputs” on **Page 7**.

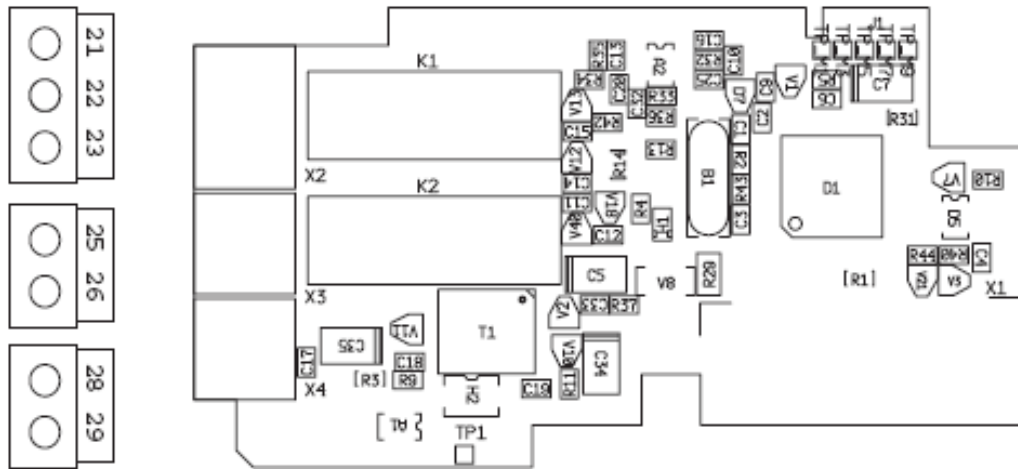


Figure 39: Option Board B2 Terminal Locations