

Relay Expansion Box for Platinum Pro and Rotem One



Platinum Pro Expansion



Rotem One Expansion

Layout

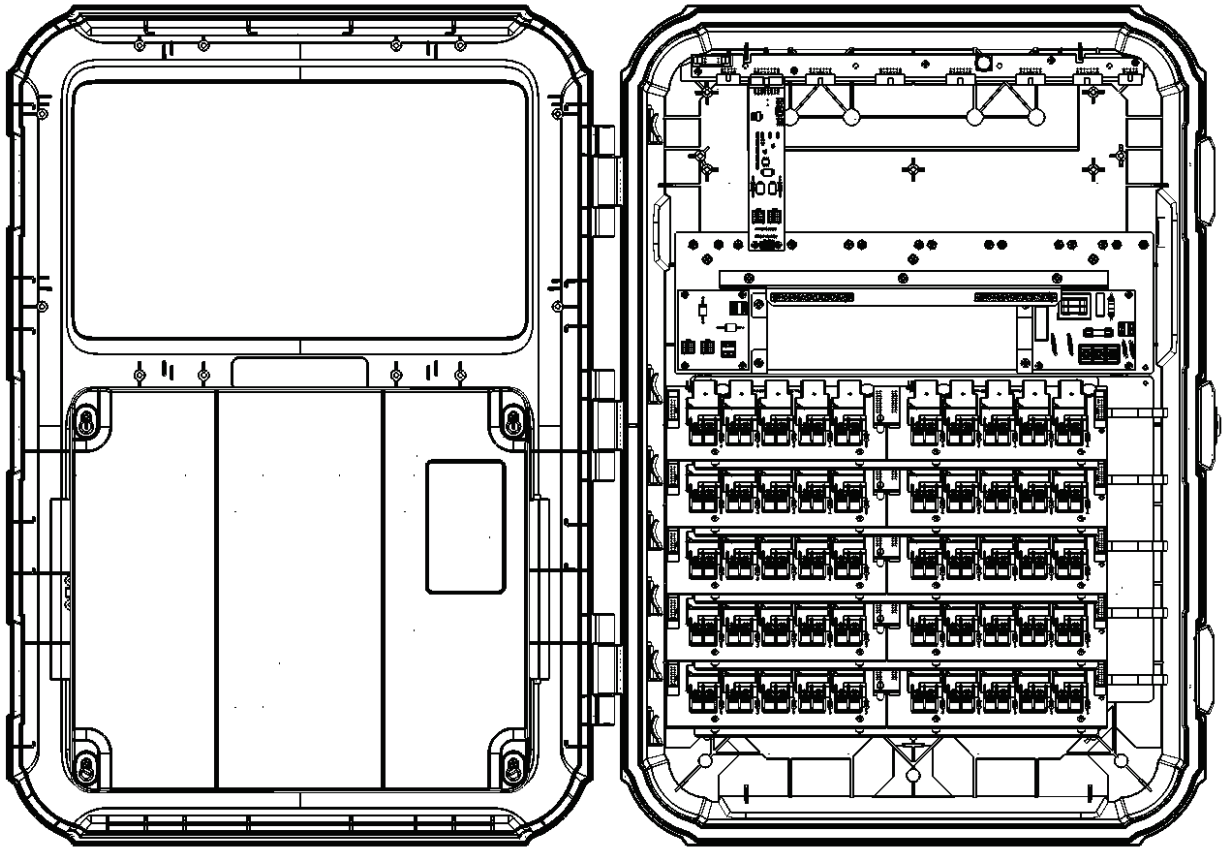


Figure 1: Rotem One Expansion

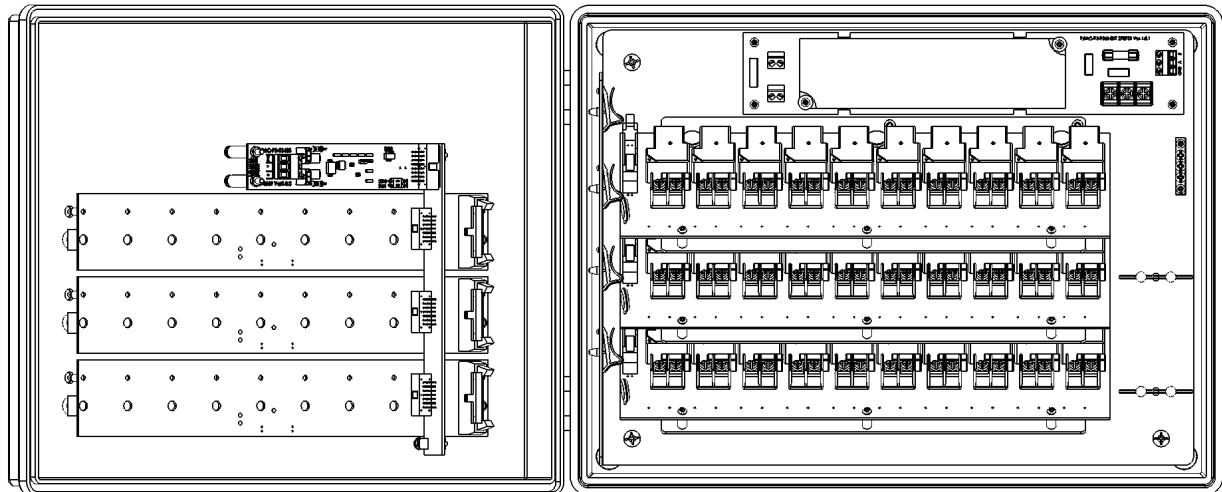


Figure 2: Platinum Pro Expansion

NOTE The Rotem One Expansion supports analog input, analog output, and digital input cards. Platinum Pro Expansion does not support these cards.

Wiring Diagrams

1. Wire the Platinum Pro PP-485ISO-485/PP232ISO-485 card to the Platinum Expansion RS-485 card.

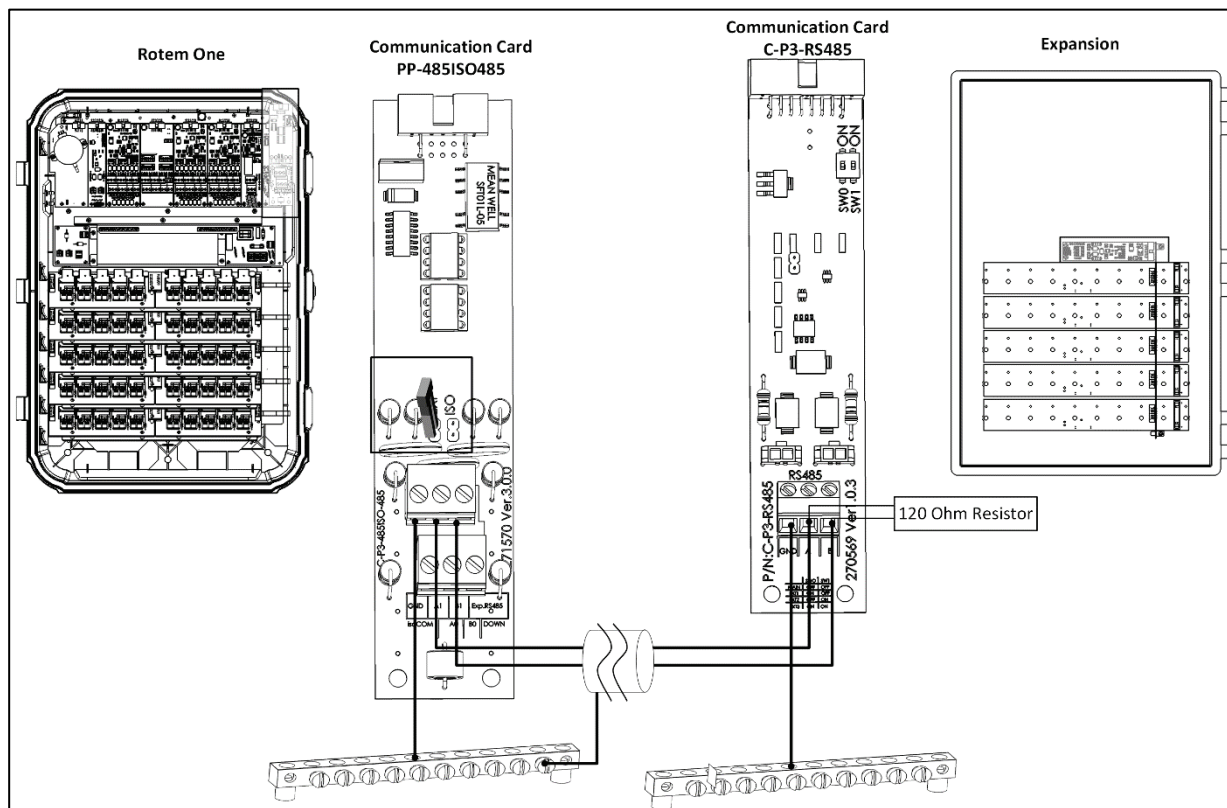


Figure 3: Platinum Pro to Platinum Expansion Wiring

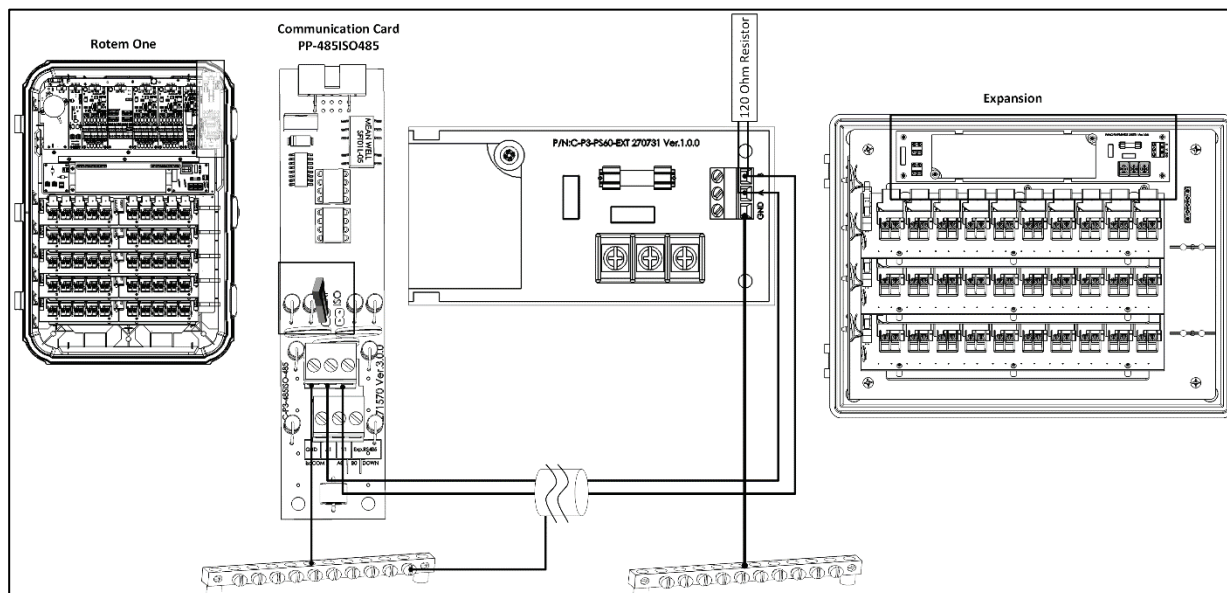


Figure 4: Platinum Pro to Platinum 30 Expansion Wiring

2. To ensure proper termination, place a:

- A terminator on the EXP jumpers on the Rotem One/Platinum Pro communication card (if the Platinum Pro is located at the end of a daisy chain)
- A 120 ohm resistor on the Expansion communication card

3. The Controller and Expansion RS-485 cards each have dip switches that define the unit's function and address.

- Define the Controller's RS-485 card dip switches as Main.
- Define the Expansion units dip switches as required.

Table 1: Dip Switch Settings

	SW0 Position	SW1 Position
Main	Off	Off
Expansion 1	Off	On

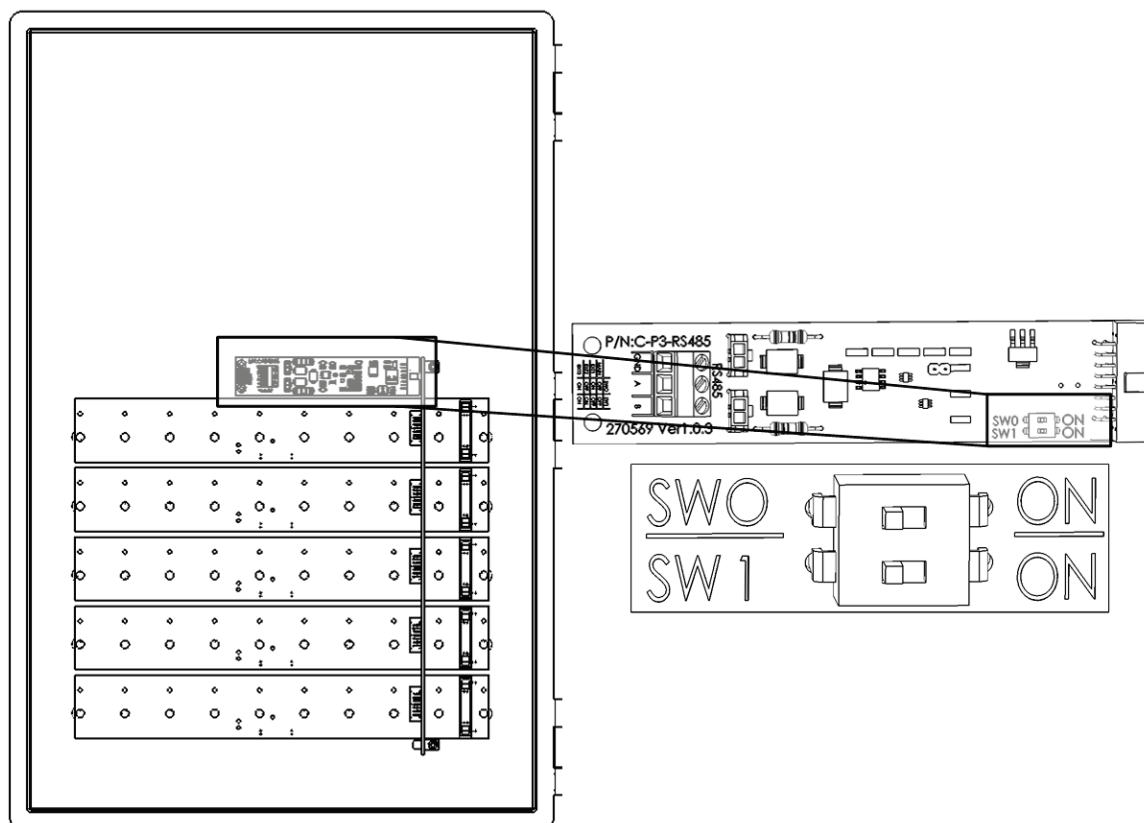


Figure 5: Expansion Address Dip Switches

4. Connect the relays (and analog/digital devices if relevant) as required. Refer to the Platinum Pro/Rotem One Installation manual for details.

5. Attach the power wiring to the Expansion as shown below.

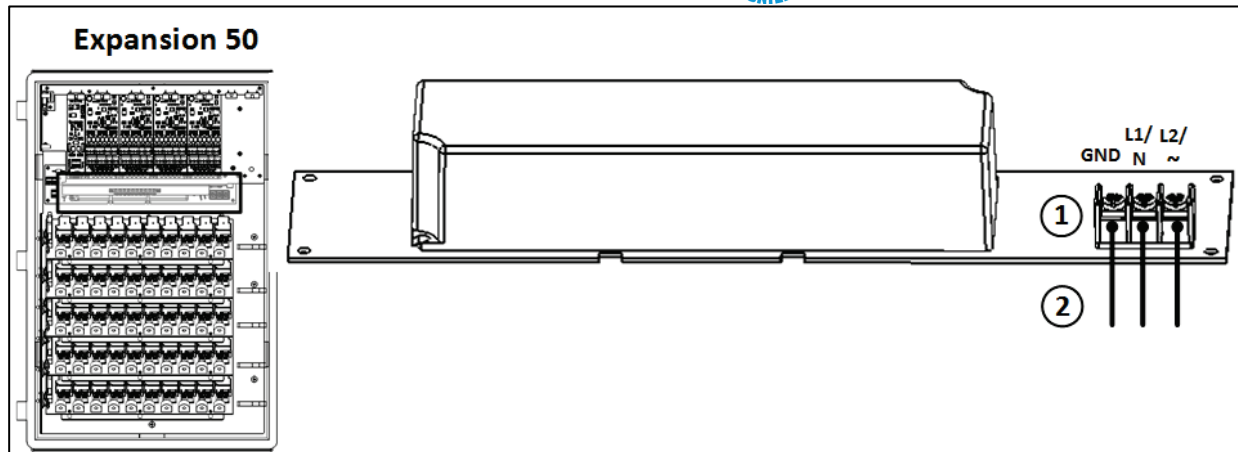


Figure 6: Expansion 50 Power Wiring

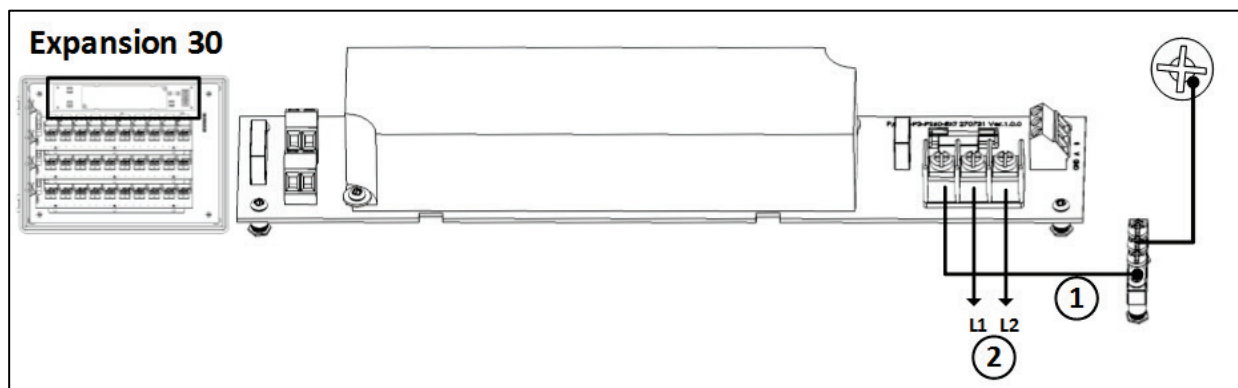


Figure 7: Expansion 30 Power Wiring

- Connect the power supply wires to the appropriate ports (1).
- 230 VAC, 50/60 Hz; USA: L1, L2; ROW line, neutral (2)