Relay Expansion Box for Platinum Pro and Rotem One

Platinum Pro Expansion

Rotem Expansion
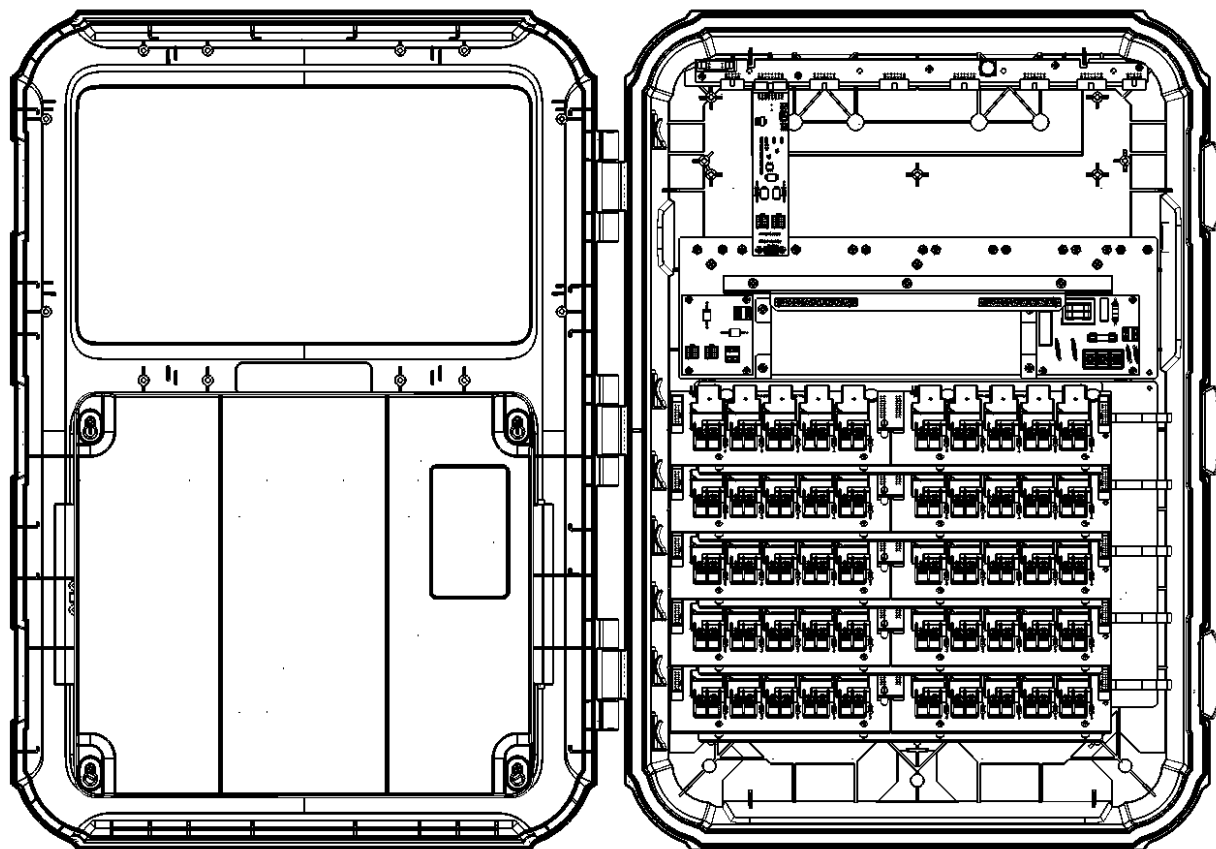
Figure 1: Rotem Expansion
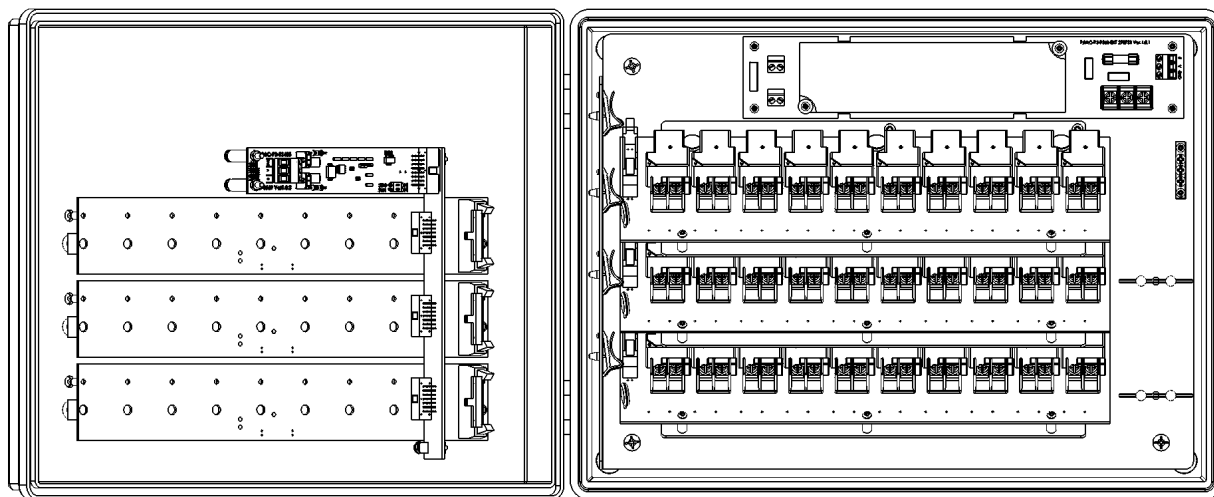

Figure 2: Platinum Pro Expansion

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

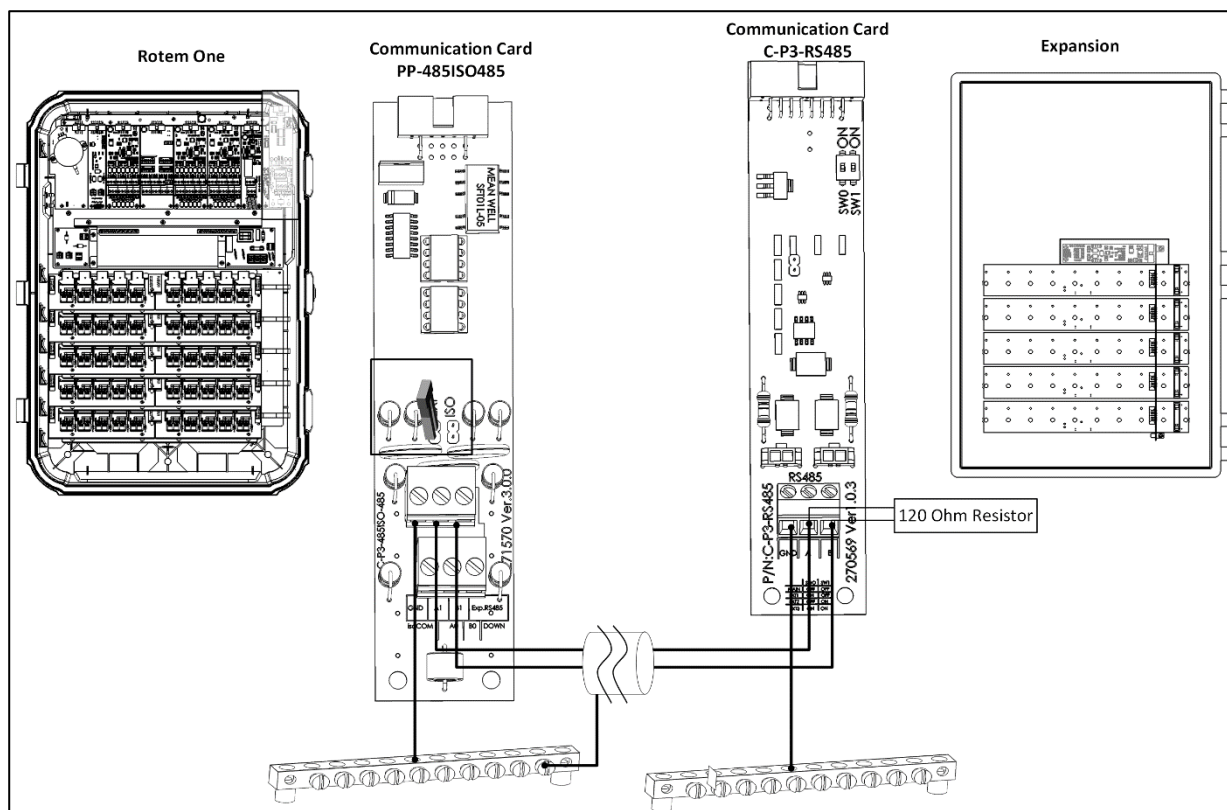1. Wire the Platinum Pro PP-485ISO-485/PP232ISO-485 card to the Platinum Expansion RS-485 card.

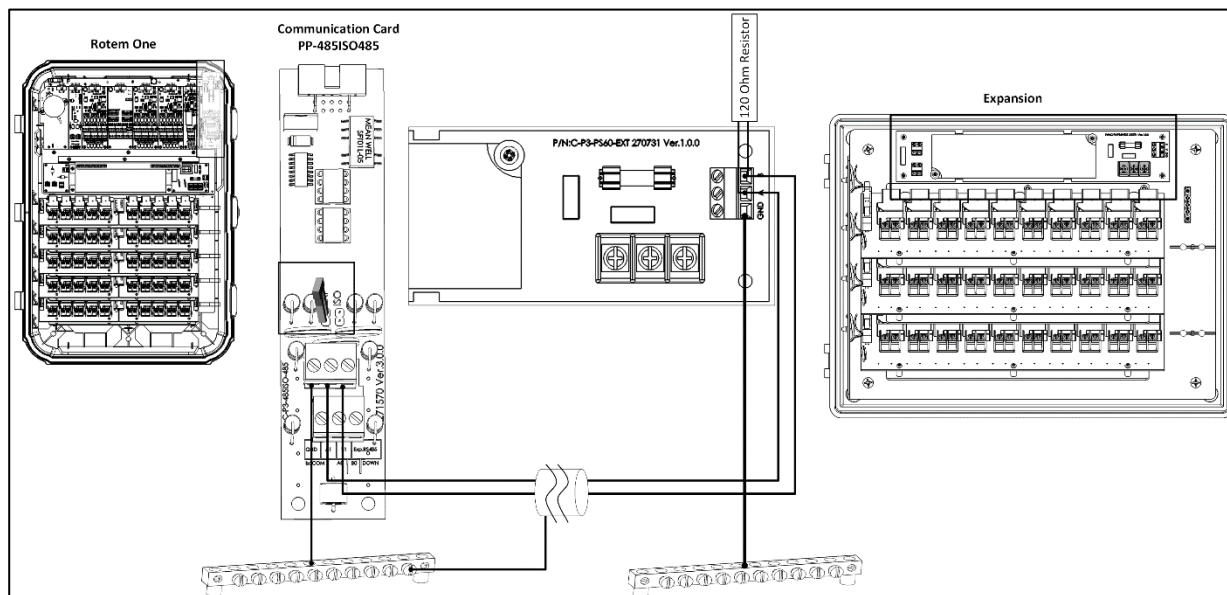*Figure 3: Platinum Pro to Rotem Expansion Wiring*

Figure 4: Platinum Pro to Platinum 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

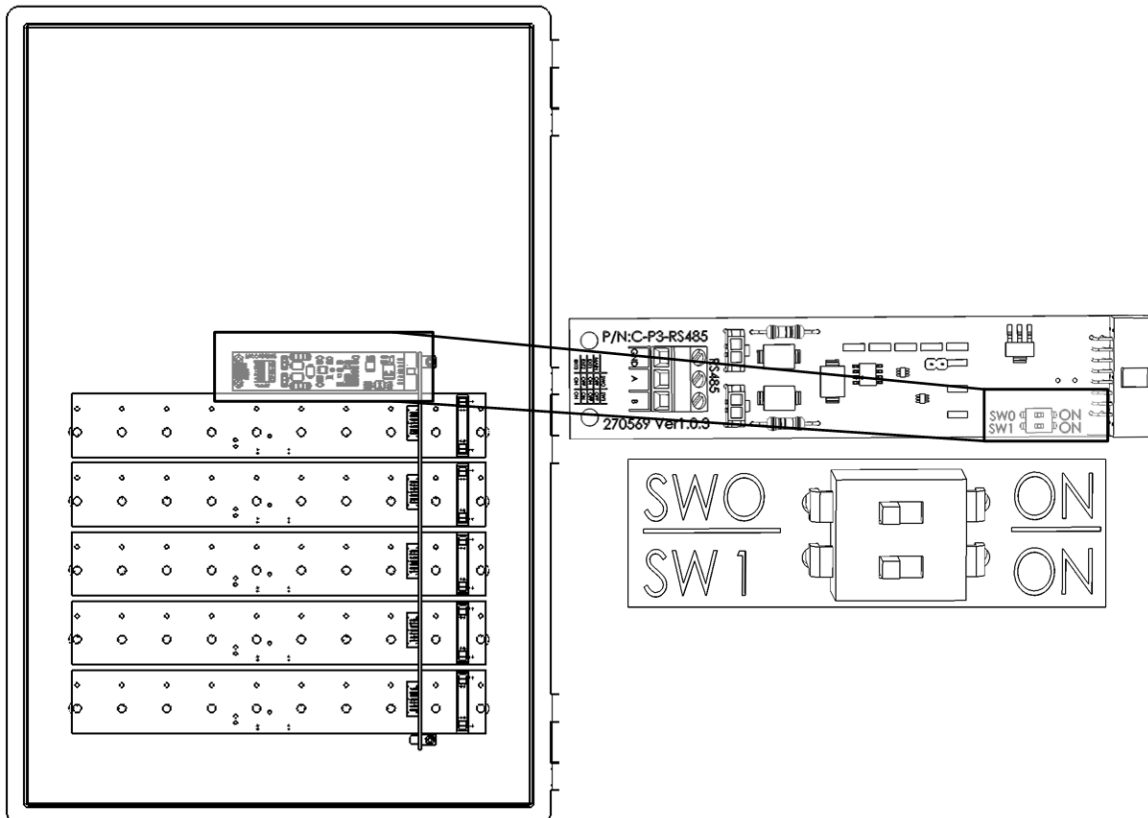|	SWO Position	SW1 Position
Main	Off	Off
Expansion 1	Off	On

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.

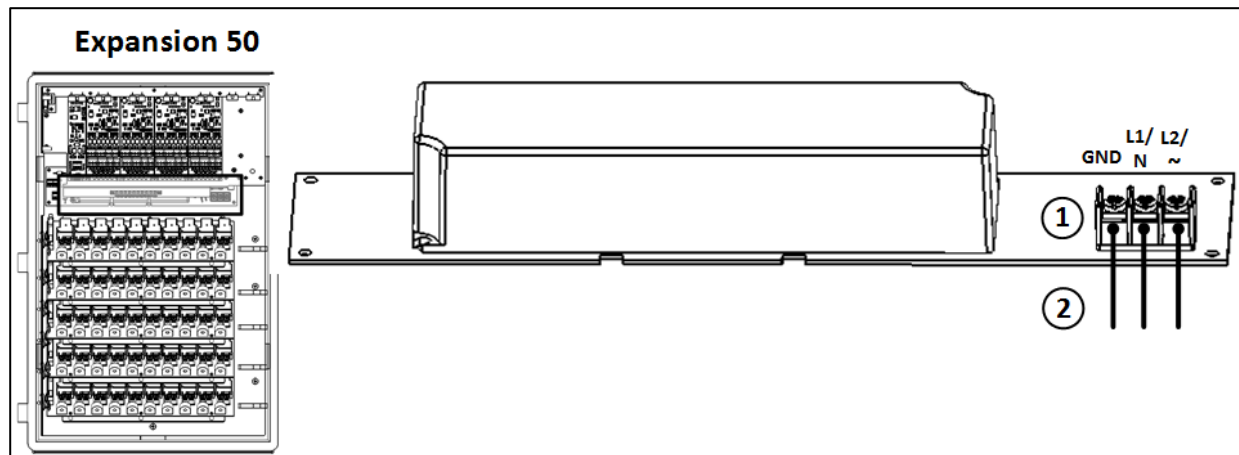5. Attach the power wiring to the Expansion as shown below.
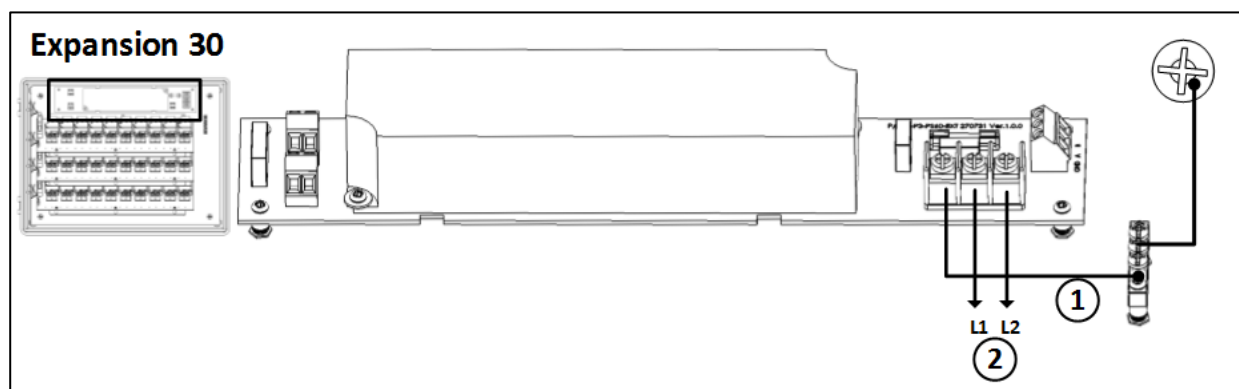
Figure 6: Rotem Expansion Power Wiring

Figure 7: Platinum Expansion Power Wiring

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