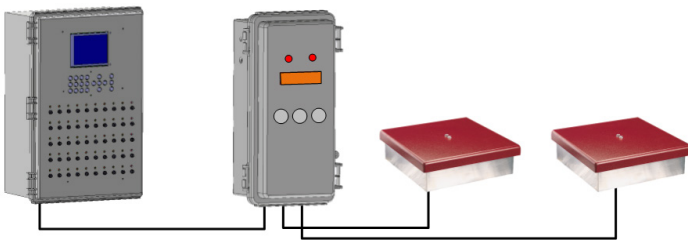# 1 RSU-2 Installation

Munters' RSU-2 enables long distance remote scale/feed bin weighing and calibration, managed via the Platinum Pro/Rotem One.

- Each RSU-2 supports two weighing devices.
- Each Platinum Pro supports:
  - up to two RSU-2 units (Version X.17 and below)
  - up to five RSU-2 units (Version X.18 and above)

1.1   Controller – RSU-2 Wiring

- RSU-2 requires RS-485 infrastructure.
- Platinum Pro – RSU-2 installations support a daisy chain only.

NOTE   *Employing a Munters HUB-4 enables star configuration installations. Refer to the HUB-4 manual.*

- Install a 120-ohm termination unit on the last RSU-2 in the chain. **Failure to install a terminator results in a non-functional system!**
- Apply 24VAC from an independent power supply.
- **Wiring requirements**:
  - RSU-2 – Controller wiring: Shielded 22 AWG. Maximum distance: 200 meters/650 feet.
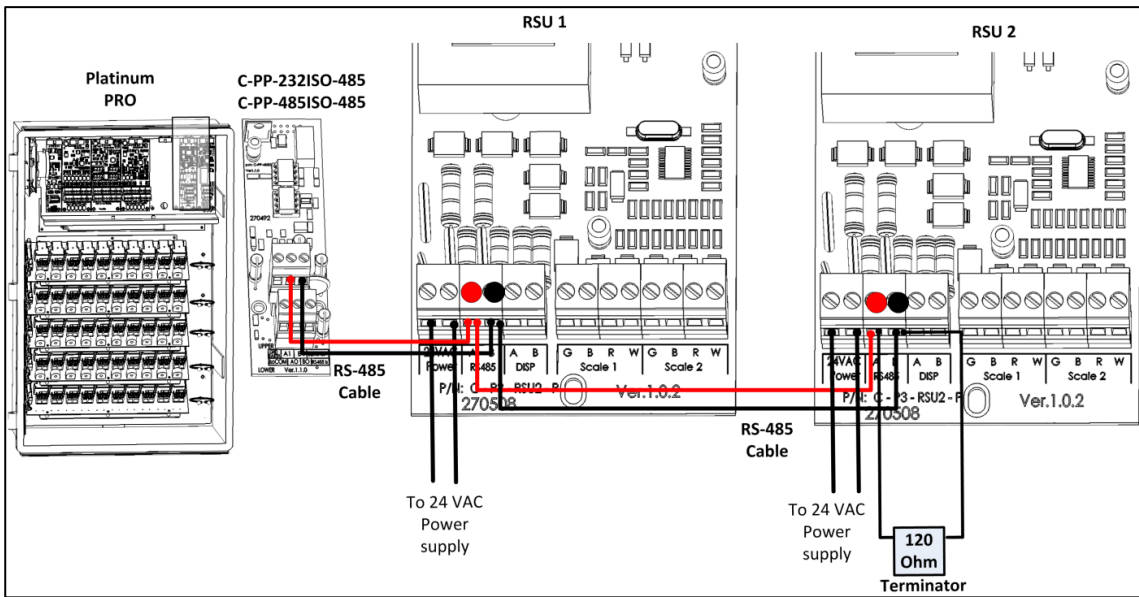 - RSU – power supply wiring: 0.75 mm^2, 2-wire

Figure 1: Platinum Pro RSU-2 Wiring

CAUTION To ensure interference and lightning immunity, use shielded cable only (22 AWG minimum)!

CAUTION Power and signal wires must be in separate cables.

Table 1: Transformer R96 AC-AC 50VA (Ver.2) 14.05.2015 Specifications

Input voltage	Out Load	Output voltage
230 VAC	0 mA	24.0 VAC +/- 5%
230VAC	1.86 A	21.1 VAC < Vout
115Vac	0 mA	24.0 VAC +/- 5%
115Vac	1.86 A	21.1 VAC < Vout

1.2 Scale Wiring

Table 2: Color Code

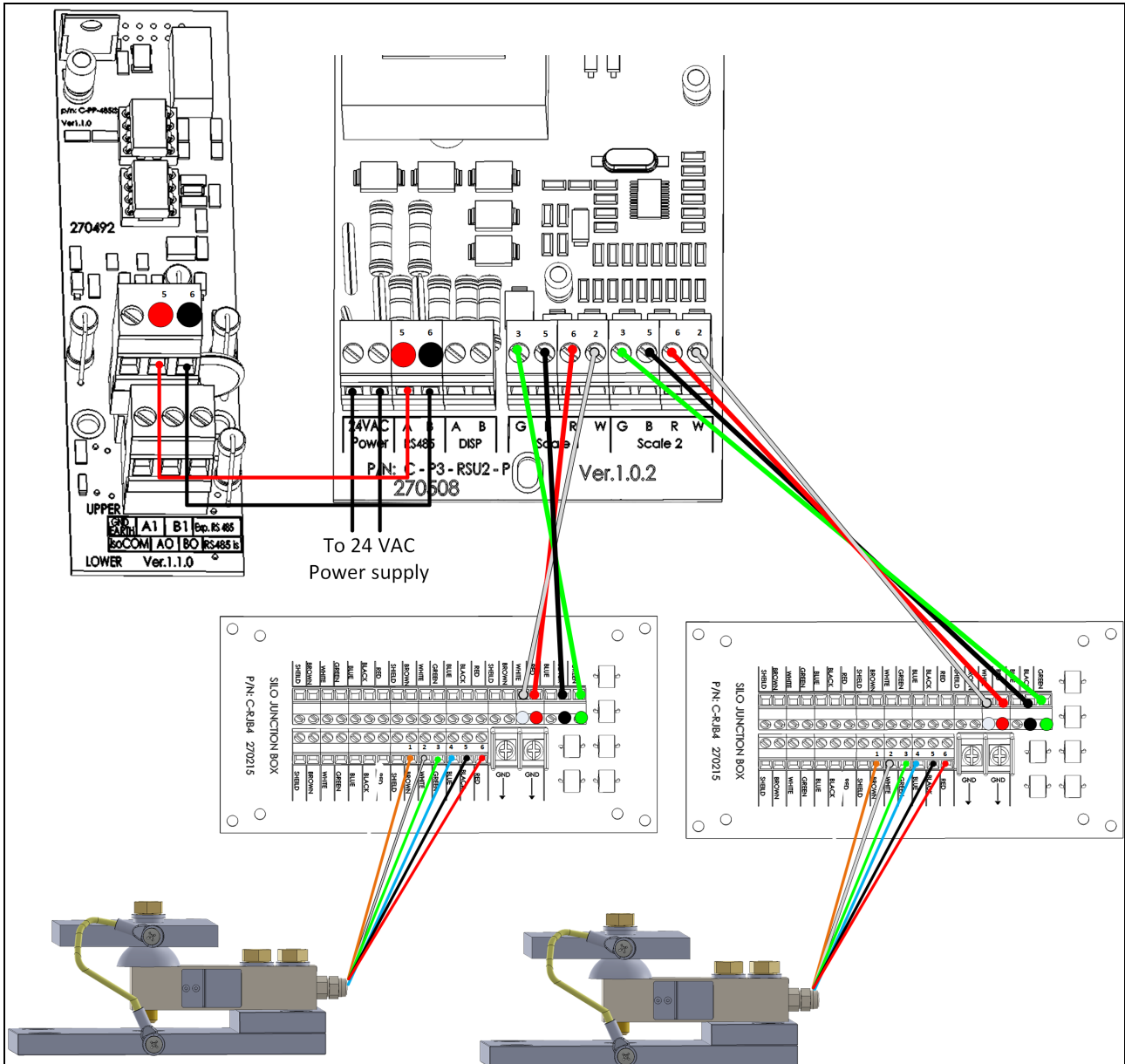| 1	Brown wire	4	Blue wire
2	White wire	5	Black wire
3	Green wire	6	Red wire

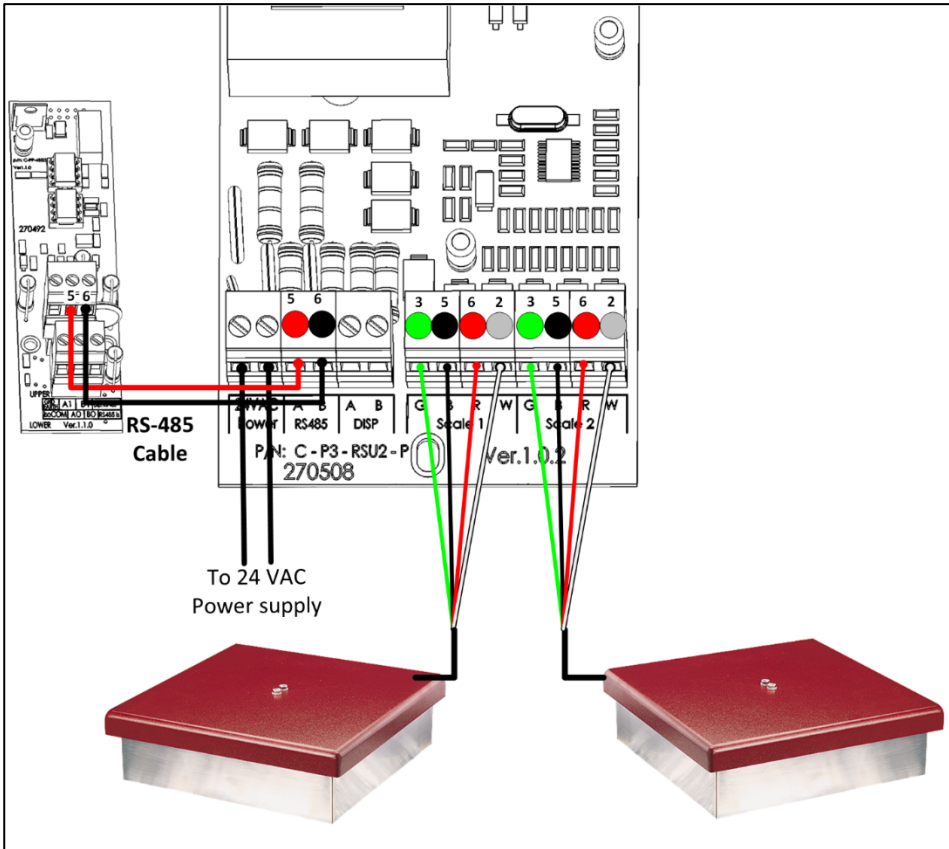*Figure 2: RSU-2 – Junction Box Wiring*
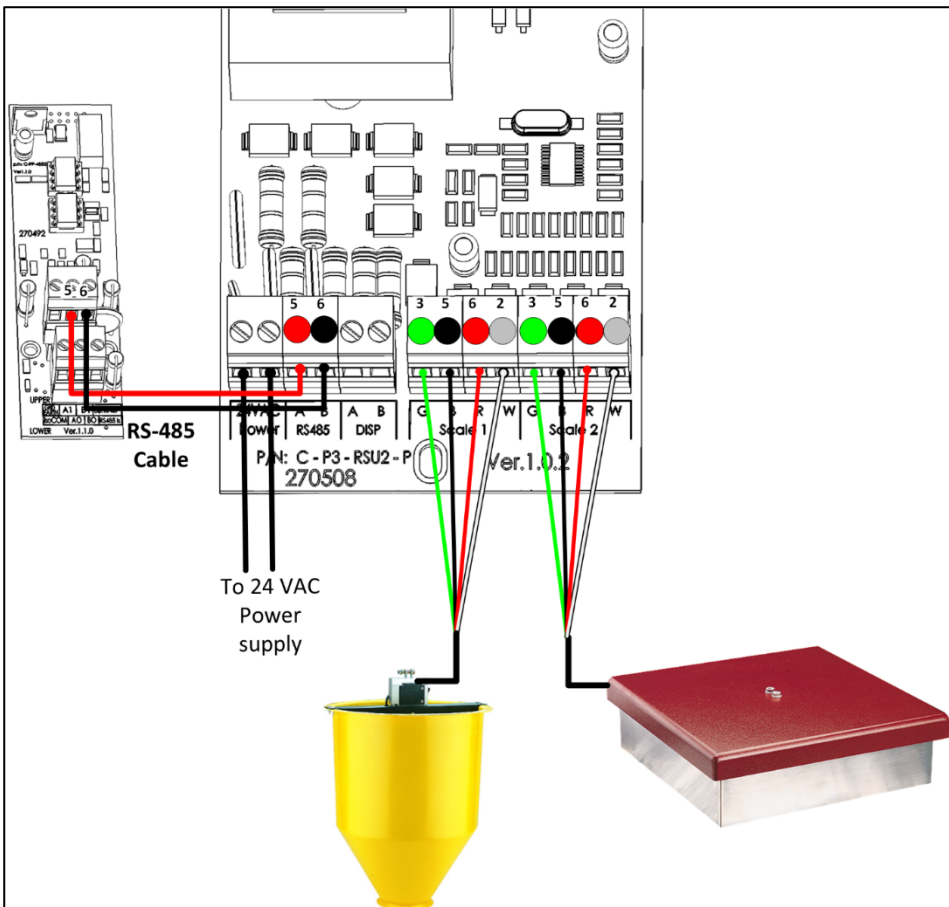
Figure 3: RSU-2 – Bird Scale Wiring

Figure 4: RSU-2 – Bird Scale / Silo Wiring

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2 Using the RSU-2

The following section describes how to use the RSU-2.

> ⮑ **Wire each RSU-2 to the Platinum Pro before beginning.**

2.1   Configuring the RSU-2

1. On the RSU-2, press down the **Select** button until **Addrs** appears.
2. Press each arrow key to define each card as Card 1 or Card2.
3. In the Platinum Pro, go to *Scale > Scale Layout*.

Ch.	Function		Num
	SCALE LAYOUT		
1	Scale	\<None\>	1
2	Scale	1. Scale	2
3	Silo	2. Silo	1
4	Silo		2

For each RSU-2, map the channel to the address that you defined above.

2.2   Viewing the RSU-2 Data

- The RSU-2 screen displays:
    - The weight of the last bird weighed (connected to bird scale)
    - The current amount of feed in the silo (connected to a silo).
    - 0.00 (card address not defined)

- View the RSU-2 data in the Platinum Pro:
    - Hot Key 5
    - Scale > Calibration
    - Scale > Test