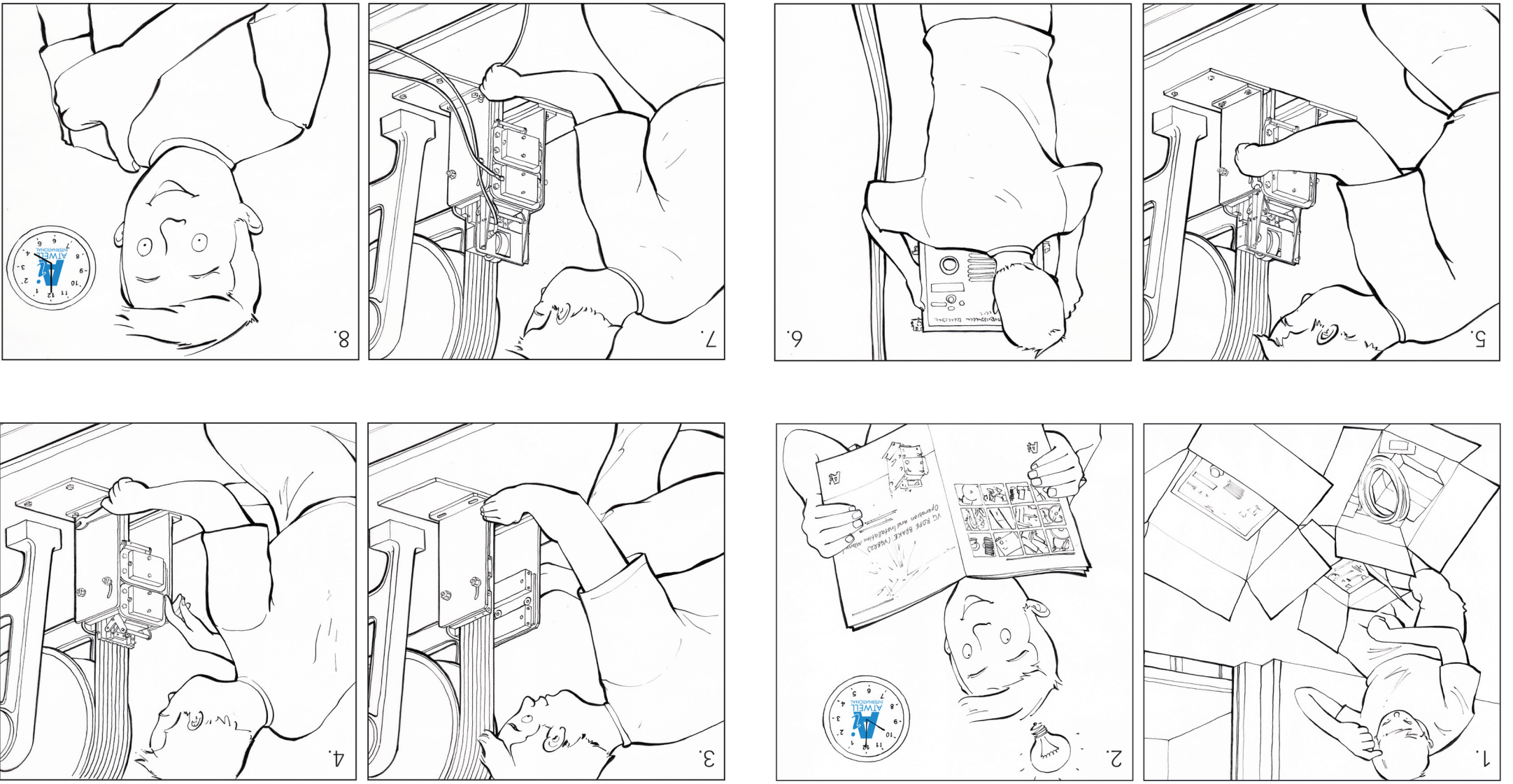




UMD-SRB02 Installation Instruction (double rope brake shown for illustration purposes only)

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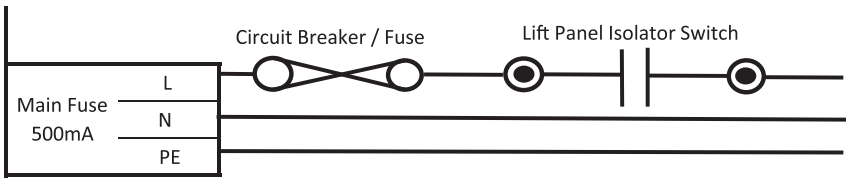
Quick Start Guide Installation of the UMD-SRB02

Version 1.0



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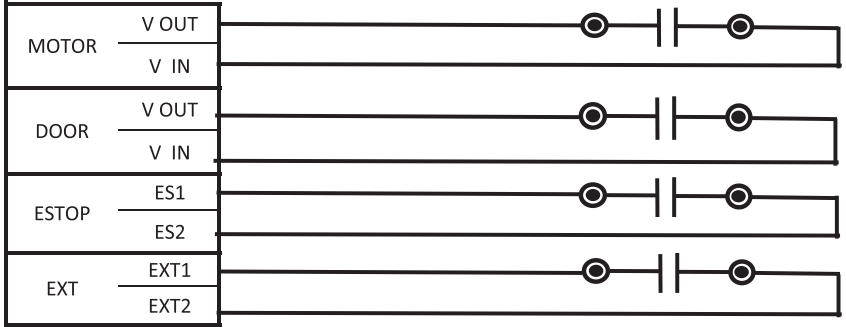
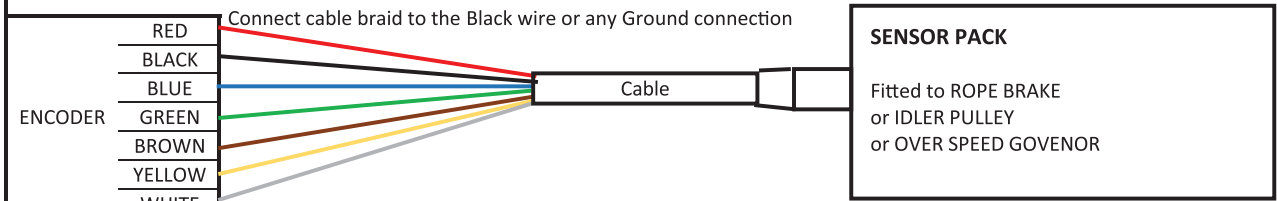




Connection is via the supplied plug in IEC Lead, recommendation is to use a local switched fused spur.

RELAY	COM	Used By Atwell for external reset
	N/O	Used By Atwell For future upgraded models - No connection required

LOAD CELLS	+V	Used By Atwell for external load monitoring
	S1	For future upgraded models - No connection required
	S2	For future upgraded models - No connection required

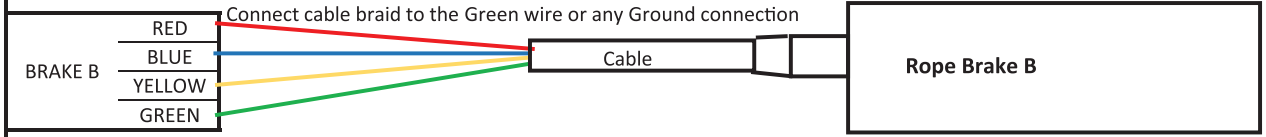
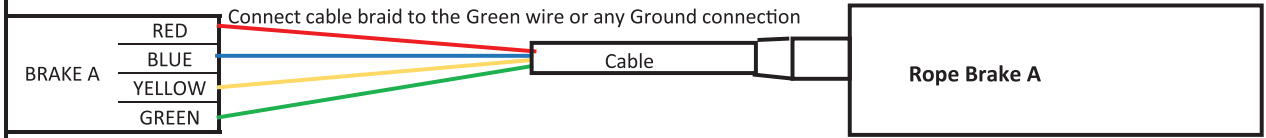


Motor Connection, The UMD needs a Volt Free / Dry contact that opens when the motor is off, the contact should close when the motor is running.

Landing & Car Door Contact, The UMD needs a Volt Free / Dry contact that opens when the car door is open, the contact should close when the doors are closed.

External Emergency Stop, The UMD needs a Volt Free / Dry contact that opens when the brakes need to be deployed the contact should be linked across if not required

External Overspeed Governor, The UMD needs a Volt Free / Dry contact that opens when the brakes need to be deployed the contact should be linked across if not required



Main Lift Safety Circuit, It should be wired in series with all other limit switches. The UMD provides a Volt Free / Dry contact, it will open when the brakes are deployed or lift is at electrical tripping speed.



Alert /Warning signal, a request to stop the lift at the next floor and take the lift out of service as a fault has been detected. The UMD provides a Volt Free / Dry contact, it will open when there is a fault detected and closes when all is OK.



VG Rope Brake Installed Disengage Before Hand Winding Machine

RELEASE INSTRUCTIONS

1. Check the visual display on the UMD-SRB02 Control Box.
2. Carry out a visual inspection of the VG Rope Brakes to check which brake has fully engaged.
3. Investigate the reason for the engagement and carry out the appropriate action.
4. Read local hand winding instructions.
5. Press the green Reset button to reset the rope brakes.
6. Select "Confirm" to enter Reset Mode - a relay should sound.
7. Perform a manual reset on the brakes and press the red Test button on the panel. The screen will then return home.
8. Re-engage the drop jaw with the electromagnet on the deployed, but not fully engaged, rope brake. Check that 'Rope Brake Set' is lit on the control panel.
9. Hand-wind the machine in the opposite direction of the engagement for approximately 25mm. This will free the dropped jaw from the ropes.
10. Re-engage the dropped jaw with the electromagnet on the deployed, and engaged, rope brake. Check that 'Rope Brake Set' is lit on the control panel.
11. Continue to follow the local hand-winding instructions for the machine.

Note: If there is no power, and the battery backup has failed after 2 hours, release the drop jaw and insert the plastic mechanical stops at the back of the drop jaw to prevent the rope brake from re-engaging.

Maintenance Instructions

Controller

Monthly

- Ensure exterior of the cabinet is clean and dry and free of dust.

6 Monthly

- Check Fuses are correct rating and are intact.
- Check cable entry points are secure and free of damage.
- Check cables are strain free, adequately supported.

12 Monthly

- Check that the control voltage is at least 12V DC and no more than 14.5VDC.
- Check that when running on Battery the control voltage is at least 12.2V. If not charge the battery for 12 hours and test again, if it does not hold a charge it must be replaced.

36 Monthly

- Replace the battery after a maximum of 36 months of service.

Movement Detector Assembly

Monthly

- Check cleanliness of the pulley and clear any debris or of dust from assembly.

6 Monthly

- Check all moving parts for free movement and wear.
- Check rope alignment & excessive wear.
- Check bearings for play and end float.
- Lubricate springs when necessary.
- Check the security of all parts, ensure all nuts and bolts are tight.

Operational Checks

12 Monthly

- Check the correct functioning of the Test / Run / Reset / Bypass.
- Check the correct functioning of the Electric safety devices.
- Check the deployment of the brakes.
- Check the correct functioning of the Error signals by removal of the encoder cable connection and check the encoder message on the screen.
- Check the movement detector (open the doors and move the idler wheel through 1 revolution, the brakes should be deployed).

If during the routine visits it is apparent that there are any signs of damage or wear or abuse to any of the components of the system, then you must remove the lift from service until the faults are remedied and the installation is tested by a competent person.