



Quick Sheet Instructions

CURTAIN MACHINE 1A LOAD KIT

Installation Instructions:

Only three control wires are required to operate the 1A load option on the Atlas curtain machine:

- 6V
- Open
- Close

All wires must be 12 AWG. The 6V is 6 VAC and is the supplied control power. Under no circumstances should this power be replaced with line voltage, as doing so will cause equipment damage and void the warranty.

Customer side devices must use dry contact relay outputs rated for a minimum of 2 A. For reference, see the figure below illustrating the wiring between the customer controls and the curtain machine 1A load option board.

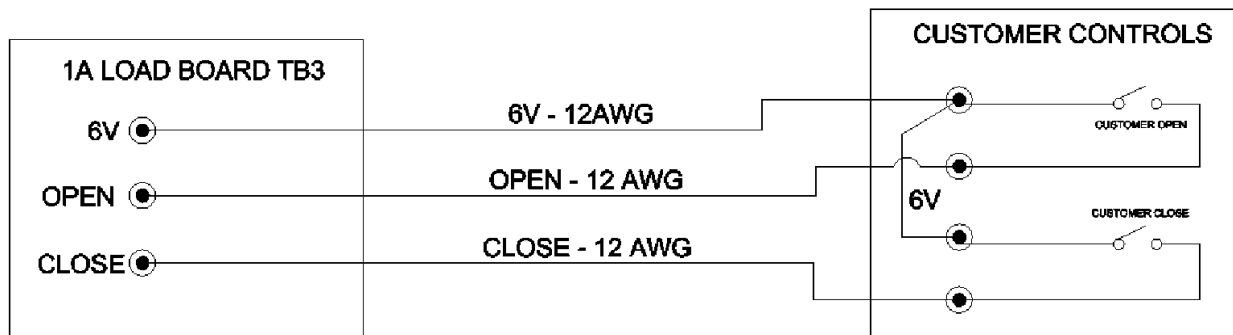
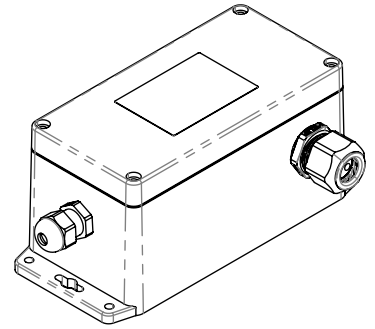


FIGURE 1: CONTROL WIRING

When wiring from the 1A load option board, route the wires through the right-mounted cord grip with three wire holes in the gland. Use wire-pulling lubricant if necessary when pulling the wires through the gland. This is required to prevent water ingress. Once wiring is complete, gently tighten the cord grip to seal the gland around the wires.

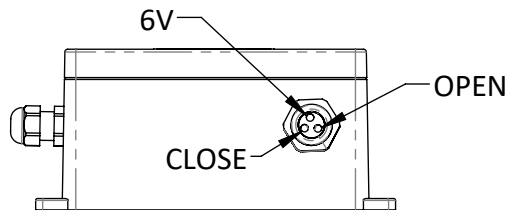


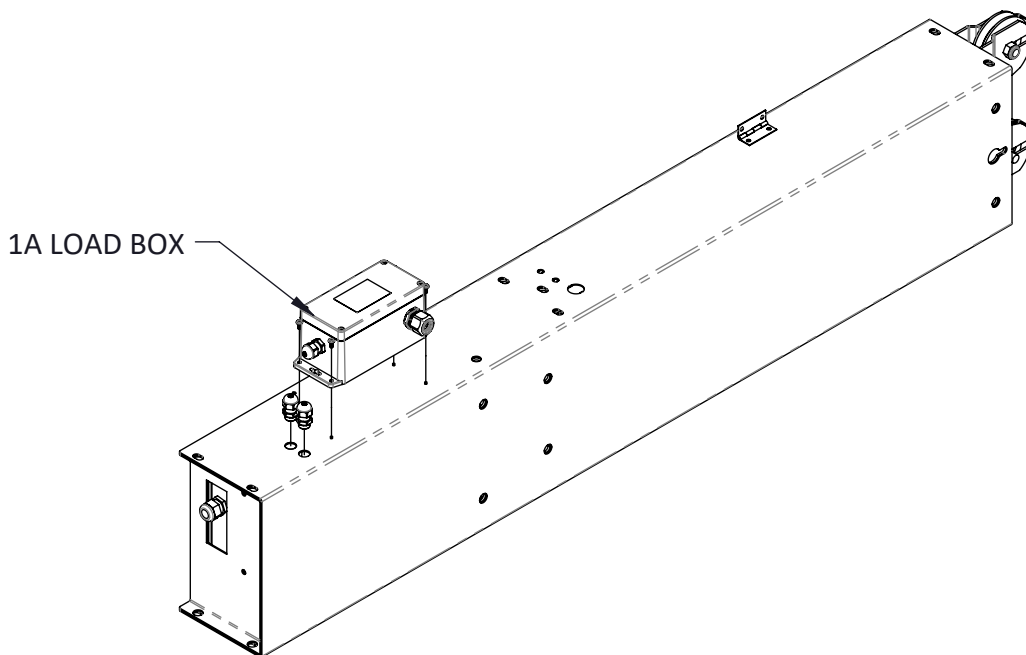
FIGURE 2: WIRING DETAIL

COMISSIONING THE MACHINE:

After wiring has been completed and secured, apply power to the equipment. Manually actuate the customer control open output and verify the curtain machine is running in the open direction. If not, disconnect power and swap the open and close wires, then retest. While testing, also verify that the current reading is sufficient to be reliably detected by the customer's controller while running. Repeat the test for the close direction.

TROUBLESHOOTING:

- Curtain machine does not run:
 1. Check that 6 vac is present at the customer input terminals for the open and close outputs.
 2. Ensure all wires are connected properly and that connector tb3 is fully seated in its socket.
- Curtain machine runs but not getting approximately 1A or more of current at the customer control outputs:
 1. Ensure the control wire is at least 12 awg.
 2. Ensure the wire run does not exceed 600 ft.
 3. Check that the facility voltage is within $\pm 10\%$ of 240 vac.



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990384 [-] 12/29/2025
Page 2

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