ADVANCING
ALTERNATIVES

42-CIB2-24MO – Computer Interface Box w/ 2 Manual Overrides

Installation and user reference guide

Read instruction completely before beginning your installation. Familiarize yourself with this unit and compare what you received with these instruction.

Always wear eye and ear protection. Always use gloves and other necessary safety equipment. Metal can be sharp, handle carefully to avoid injury.

Qualified electricians should provide all electrical installations.

For Technical Support:

1-877-546-2257

info@advancingalternatives.com

42-CIB2-24MO

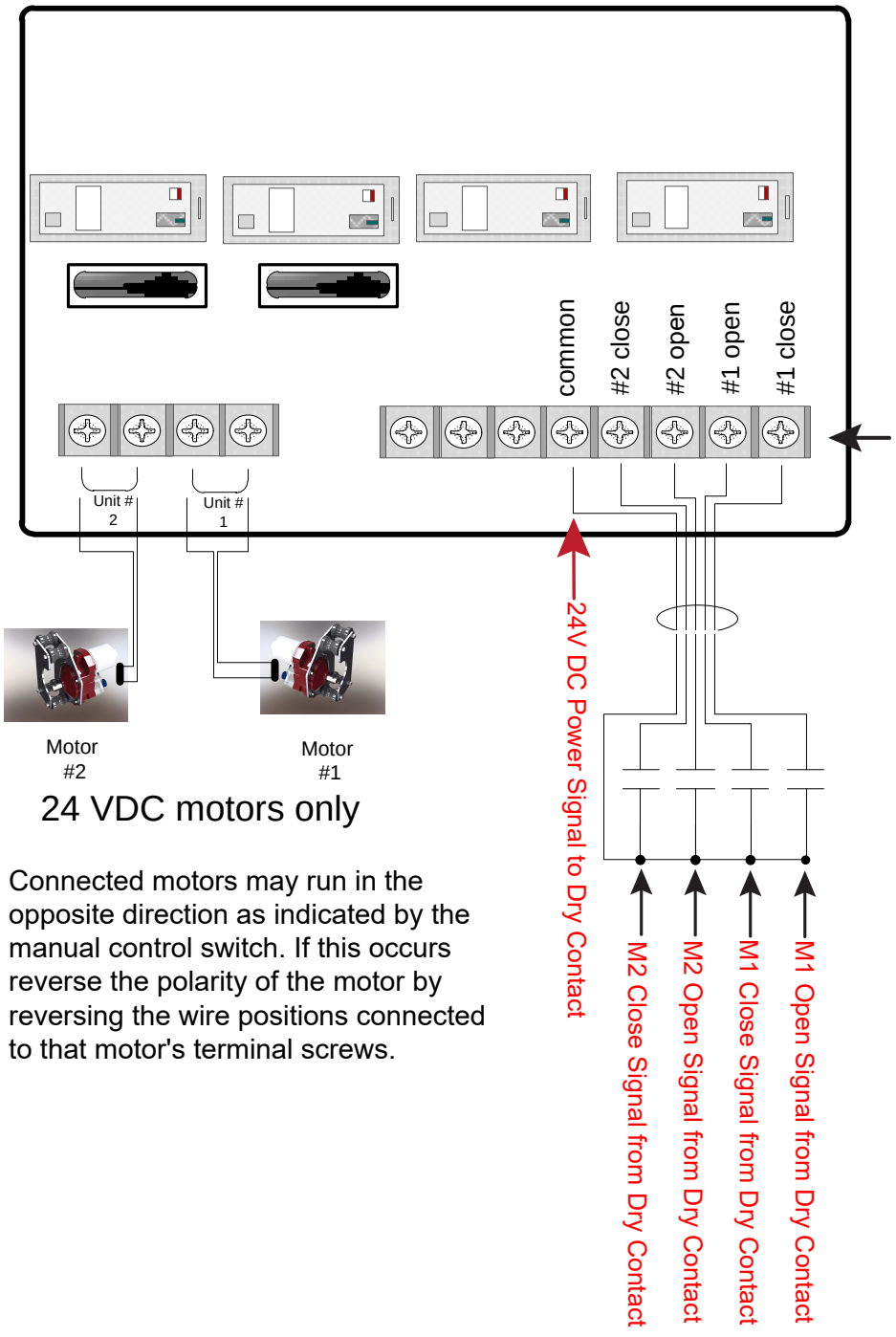
Wiring diagram

Shock hazard. Always remove power before opening box.

The 42-CIB2-24MO provides 24V DC power to operate two low voltage motors. The motors can be manually operated with the switches on the lid, or operate automatically when driven by an Advancing Alternatives Environmental Control or a third party ventilation controller.

Motor connections should be made with SJOOW wire and use the following sizing guidelines. Up to 100' use 14/2 awg; 100' to 200' use 12/2 awg.

There are 2 sizes of circuit breakers included. Use the following guidelines to properly protect your motor. 60 -100 nm motors use 5A and 180 nm motors use 7.5A.



24 VDC motors only

Connected motors may run in the opposite direction as indicated by the manual control switch. If this occurs reverse the polarity of the motor by reversing the wire positions connected to that motor's terminal screws.

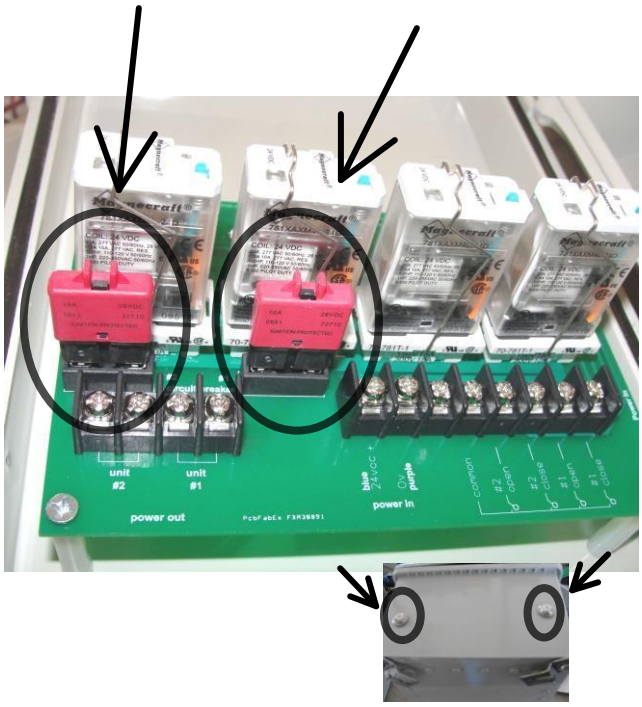
Environmental Control Inputs

Your ventilation control must provide "*Dry Contacts*". The 42-CIB2-24MO when operated in "Auto" mode sends out a 24V DC power Signal. Contact your Control Manufacturer if you are not sure. *Connecting input and output wires to anything other than a dry contact will cause a fire hazard or serious damage and will void the warranty.*

If your Environmental controller does not provide Dry Contacts we have an add on module that can be connected directly to the 42-CIB2-24MO that will allow the use of powered contacts.

Please contact our Sales department, 877.546.2257 and request item number 42-DRYCONTACT.

Controller for 24 VDC motors only!



There are 4 circuit breakers in this box. They are designed to give protection from overloads.

When a breaker trips (a tab pops out of the breaker) check curtains for any electrical issues or mechanical obstructions. Then press the tab back into the breaker to reset it.
Two of these breakers are on the circuit board. Each protects one unit. If one breaker trips, the other unit will function.

Note: The breaker may not connect immediately after being reset. The breaker needs to cool to resume operation

The two circuit breakers on the bottom of the box protect the transformer. If either one trips, there will be no power to any units.