

ARControl BASE Quick Start Guide

This quick start guide provides information regarding hardware installation and using the product in **AUTOMATIC** mode. Two additional operation modes (**CONTINUOUS** and **MANUAL**) that are explained in the user manual. You may find the user manual on our website at: <https://www.arcontrolbms.com/>

Hardware Installation

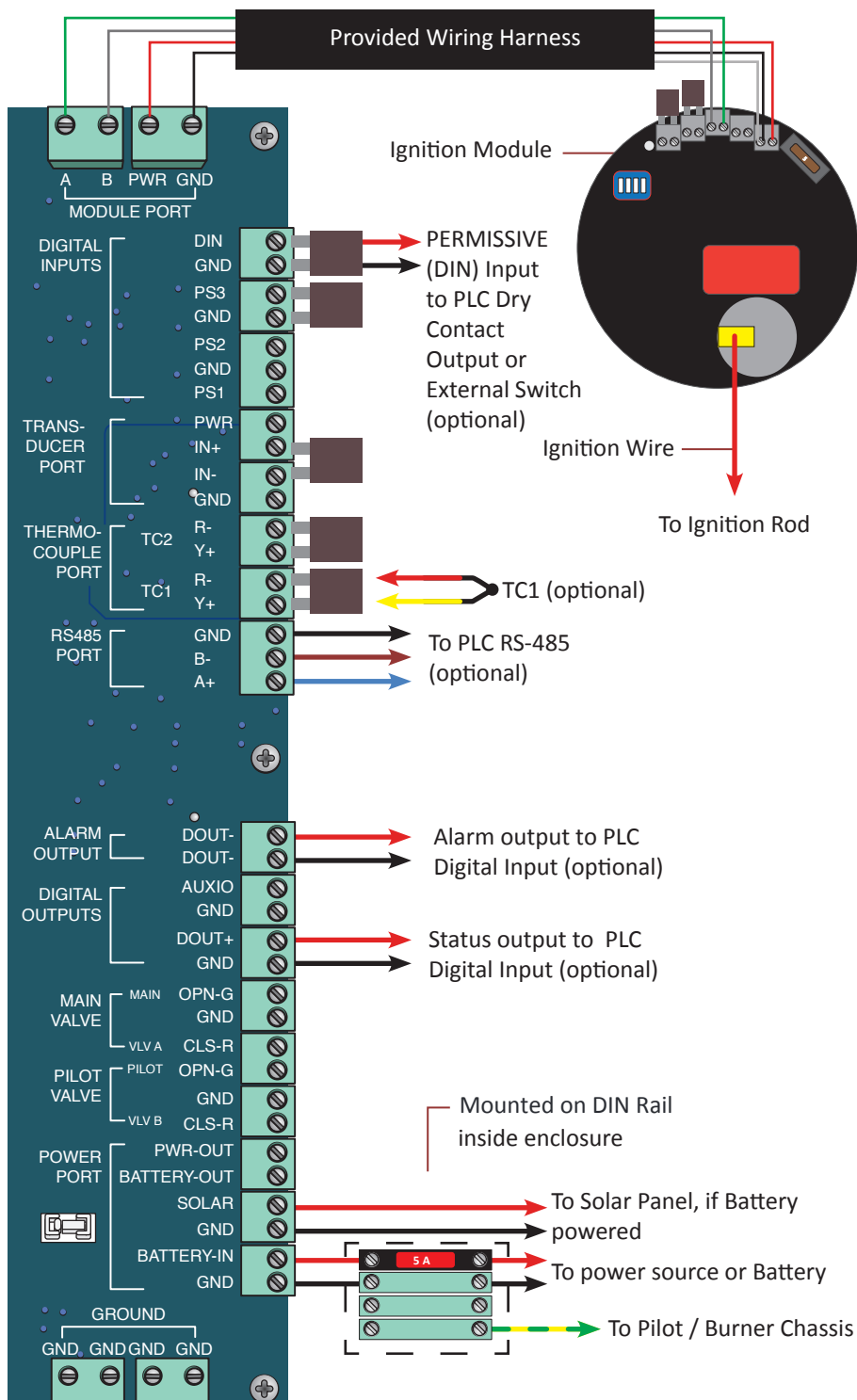
The ARControl should **always** be installed according to the directions provided in this manual and in compliance with local electrical codes and the specifications of the operating company.

Follow these guidelines when installing the ARControl:

- All personnel must read, and understand, the information in the User Manual before performing any operations related to the product.
- Locate the unit out of traffic and working areas, away from excessive heat, and above areas where water and liquids may accumulate. Visibility of the display will be enhanced if not facing direct sun.
- Measure the wiring distance. The ignition cable is restricted to a length of 25 feet maximum.
- Proper earth grounding per local electrical codes must be utilized in the installation.
- A switch or circuit breaker must be included in the installation. It must be suitably located, easily reached and be marked as the disconnecting device for the equipment.
- If the BMS Module is used in conjunction with the ARControl it must be mounted externally of the ARControl in order for the ARControl to remain regulatory compliant.
- When installation is complete, ensure that the enclosure is properly sealed and the fasteners are tight.
- Do not service in a hazardous area
- Disconnect and remove the battery during transportation or when the ARControl will not be operated for a period of time.
- If the ARControl is used in a manner not specified by Cimarron Energy, Inc., the protection provided by the equipment may be impaired.

Follow these steps to install the ARControl:

1. Locate and open the hardware kit.
2. Attach the mounting flanges to the ARControl.
3. Drill holes in the bottom of the enclosure to accommodate the cables and conduit to the unit.
4. Using supplied hardware, mount to a secure location.
5. Mount provided ignition rod assembly to pilot or burner assembly.
6. Attach cable conduit to enclosure and burner chamber.
7. Mount ignition module to the **DIN** rail inside of enclosure. **WARNING: Mounting ignition module inside enclosure VOIDS the 1960-155 ARControl Class I Division 2 rating.**
8. Connect ignition wire to tab on the ignition module spark transformer, run it through the conduit and attach it to ignition rod assembly .
9. Wire the Ignition Module to the Module Port using the provided wiring harness.
10. Attach the grounding wire (green wire with yellow trace) to the burner's chassis.
11. Connect the power source to the power and ground terminal blocks.
12. Navigate to **START IGNITION** on the ARControl and press **OK**. The system will start the ignition cycle in automatic mode.



Notes: Factory Jumpers

- Remove jumper if installing outside wiring
- BMS module **must** be set to address 1 (Dip switch 1 on)

Image: Hardware installation

Maintenance & Service

Please contact Cimarron Energy, Inc. for information in regard to maintenance, parts, or service:

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