ARC™

Advanced Burner Management System

- Easily navigable user interface
- User configurable settings
- Alarm and pilot status outputs
- Modbus RTU over RS-485
- Permissive input
- Integrated solar charging
- 12 or 24 VDC
- -40°C to +g60°C (-40°F to +140°F)
- Nema 4x Enclosure

The **ARC** product line provides advanced burner and pilot management solutions for flare systems, fired equipment, and enclosed combustors. These controllers offer automatic electronic ignition and reliable flame sensing—using thermocouple temperature sensing or flame rectification—to safely ignite and maintain pilot flames. The systems include alarm and pilot status outputs, Modbus communication, and data logging to ensure continuous equipment monitoring. Single or dual-pilot configurations enable independent control, gas shutdown, and enhanced safety. With ultra-low power operation, optional solar power packs provide extended runtime during sunless periods. Proudly made in the USA, **ARC** delivers reliable and efficient combustion control for a variety of applications.

DUAL BURNER MANAGEMENT SYSTEM

This advanced burner management system provides independent control capabilities for up to two pilots and/or two burners. Featuring auto-reignition, flame-sensing, and seamless integration with control valves, pressure sensors, and thermocouples, it ensures environmental compliance and optimal performance.

QUALITY STANDARD

The **ARControl** system is proudly manufactured in the USA at our Wheat Ridge, CO facility. Our staff of experienced engineers oversees the design, manufacturing and testing of each product, giving **ARControl** unrivaled oversight.

STARTUP AND SERVICE

- Technical Support
- Installation and Setup
- Maintenance Application
- Support Hardware Support
- Guaranteed Warranty

cimarron®

TECHNICAL SUPPORT

Service and support available in all Oil and Gas Producing Basins in North America.

TURNKEY SOLUTIONS

Each product can be shipped to your location and installed by our team of qualified technicians or shipped to the manufacturer of your choice and we will train and support their team to ensure your product performs as designed.

APPROVALS

MC: 266949

ARControl System™:
CAN/CSA-C22.2 NO. 61010-1:2012
UL 61010-1
ANSI/ISA-61010-1
CAN/CSA C22.2 NO. 213:2015
ANSI/ISA 12.12.01: 2015
CAN/CSA-C22.2 No. 94.2-15
UL 50E

BMS Module in Adalet:
BCAN/CSA-C22.2 No. 0-M91
CAN/CSA E60730-1-2013
C22.2 No. 60730-2-5:14
CAN/CSA - C22.2 No.30-M1986
CAN/CSA-CSA 22.2 No.25-1966
CAN/CSA-C22.2 No.60079-0:15
CAN/CSA-C22.2 No.60079-1:16
ANSI Z21.20 -2014
ANSI/UL 60079-0:13
ANSI/UL 60079-1:15
UL 1203: 2013

BMS Module:
CAN/CSA E60730-1-2013
ANSI Z21.20 -2014.
CAN/CSA C22.2 No. 60730-2-5-2014

THE ORIGINAL ARC **ONLY REQUIRES AN UPDATE IN FIRMWARE** TO SWAP EQUIPMENT

WHY ARC?

The most innovative Burner Management System on the market.

The scalable ARC adapts to well site needs, from basic pilot flame monitoring and ignition to a complete burner management solution with control valves, pressure sensors, and thermocouples. It notifies users via Modbus or alarm if the pilot flame goes out and can control two burner systems from a single box, reducing costs.

KEY FEATURES

- Compliance with OOOOb
- Continuous Monitoring Alerts
- One unique control box model, at a low entry price
- Increase controller capabilities through firmware upgrades, no need to purchase a new model
- Automated spark ignition with flame sensing
- On-board data logging capability
- Customer PLC compatibility through easy Modbus integration RS-485/SCADA communications
- Control of both the pilot and main burner valve
- 12 / 24 VDC compatible multi-burner applications (one box can control up to 2 burners)
- Class I Div 1 & Class I Div 2 approved configurations available
- Solar Options Available

	Firmware Type			
ARC™	**BASE**	**FLARE**	**BMS**	**DUAL**
Auto-Ignition	✓	✓	✓	✓
Advanced Datalogging	✓	✓	✓	✓
Modbus RTU over RS-485	✓	✓	✓	✓
Temperature Monitoring	✓	✓	✓	✓
Multiple Process Control	X	X	✓	✓
Temperature, Pressure & Level Control	X	X	✓	✓
High Temperature Shutdown	X	X	✓	✓
Two Pilots Control Capability	X	✓	X	✓
Two Burners Control Capability	X	X	X	✓
Types of Equipment	🔥	🔥	🔥 🌡	🔥 🌡

✓ Standard   X Not Available   🌡 Heated Equipment   🔥 Flares, Combustors, Incinerators

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