



BMS BURNER CONTROL

Our most comprehensive pilot and burner controller, it can be combined with control valves, pressure sensor and thermocouples for a complete burner management solution.



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

ARCONTROL™ BMS

more than just...

AN ADVANCED PILOT AND BURNER CONTROLLER

ARControl™ is proud to introduce our *Advanced Pilot and Burner Controller* product firmware:

- High-energy ignition output
- Easily navigable user interface
- User configurable settings
- 4 configurable processes
- 4 configurable shutdowns
- Proof of Closure input
- Flexible transducer input: (millivolt, 4-20mA, ratiometric, 1-5V)
- 3 Thermocouple inputs
- 2 Digital inputs
- 6 Valve outputs
- Permissive input
- Alarm and pilot status outputs
- Modbus RTU over RS-485
- Periodic and event data logging
- Integrated solar charging
- 12 or 24 VDC
- -40°C to +60°C (-40°F to +140°F)
- Nema 4x Enclosure
- Class I Division 2

ARControl BMS provides automatic electronic ignition and process control to fired equipment and enclosed combustors.

Utilizing high-energy ignition alongside flame rectification flame sensing, ARControl BMS is sure to safely ignite and maintain a pilot flame.

Alarm and pilot status outputs, Modbus communication, and data logging ensure that the status of equipment is easily and always known.

Ultra-low power operation allows up to 10 days of sunless runtime with the optional standard solar power pack.

Made in USA.



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.



TAKE CONTROL

Unleash the potential within...

...with just a firmware upgrade

WHY ARControl?

ARControl is the most innovative Burner Management System on the market.

Fully scalable, this controller adapts to your well site needs. At its most basic configuration, the **ARControl** can monitor and ignite a pilot flame on separators, treaters, burners, combustors or flares for added site safety. If the pilot goes out for any reason, the system can notify the customer through Modbus or alarm. On the other end of the scale, the **ARControl** can also be combined with control valves, pressure sensors and thermocouples for a complete burner management solution. The **ARControl** system also has the unique ability to monitor and control 2 burner systems from a single control box, reducing costs.

Key Features

- One unique control box model, at a low entry price
- Increase controller capabilities through firmware upgrades, no need to purchase a new model
- Fully automated direct spark ignition with flame sensing capability
- On-board data logging capability
- Customer PLC compatibility through Modbus 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

APPROVALS



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

ARCONTROL™ <i>Unleash the potential within!</i>	Firmware Type			
	BASE	FLARE	BMS	DUAL
Auto-Ignition	✓	✓	✓	✓
Advanced Datalogging	✓	✓	✓	✓
Modbus RTU over RS-485	✓	✓	✓	✓
Temperature Monitoring	✓	✓	✓	✓
Multiple Process Control	✗	✗	✓	✓
Temperature, Pressure & Level Control	✗	✗	✓	✓
High Temperature Shutdown	✗	✗	✓	✓
Two pilots control capability	✗	✓	✗	✓
Two Burners control capability	✗	✗	✗	✓
Types of Equipment	🔥	🔥	🔥 ⚠️	🔥 ⚠️

✓	✗	🔥	⚠️
Standard	Not available	Flares, Combustors, Incinerators	Heated Equipment

