



#### PILOT CONTROL

This basic auto-reignition system with flame sensing capability will keep your equipment environmentally compliant.



#### 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™ BASE

*more than just...*

## A BASIC PILOT CONTROLLER

The Base firmware converts the ARControl system into a *Basic Pilot Controller*:

- High-energy ignition output
- Easily navigable user interface
- User configurable settings
- Alarm and pilot status outputs
- Modbus RTU over RS-485
- Permissive input
- Temperature monitoring
- Data logging
- Integrated solar charging
- 12 or 24 VDC
- -40°C to +60°C (-40°F to +140°F)
- Nema 4x Enclosure

**ARControl Base** provides automatic electronic ignition to fired equipment and enclosed combustors.

Utilizing high-energy ignition alongside flame rectification flame sensing, **ARControl Base** 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

