

## IntelliSpark® Ignition Controllers

| Part No. | Model No. | Description                                      | Class |
|----------|-----------|--|-------|
| 72700256 | IS-8      | 8-CYLINDER IGNITION CONTROL UNIT - NO DISPLAY    | Z     |
| 72700252 | IS-8D     | 8-CYLINDER IGNITION CONTROL UNIT - WITH DISPLAY  | Z     |
| 72700257 | IS-16     | 16-CYLINDER IGNITION CONTROL UNIT - NO DISPLAY   | Z     |
| 72700253 | IS-16D    | 16-CYLINDER IGNITION CONTROL UNIT - WITH DISPLAY | Z     |
| 72700258 | IS-32     | 32-CYLINDER IGNITION CONTROL UNIT - NO DISPLAY   | Z     |
| 72700254 | IS-32D    | 32-CYLINDER IGNITION CONTROL UNIT - WITH DISPLAY | Z     |
| 72000004 | PCB-8     | PCB ASSY, IS-8, ONE-BOARD                        | Z     |
| 72000005 | PCB-16    | PCB ASSY, IS-16, ONE-BOARD                       | Z     |
| 72000013 | PCB-16B   | PCB ASSY, IS-32, B-BOARD                         | Z     |

## IntelliSpark® Remote Display

| Part No. | Model No.         | Description                           | Class |
|----------|-------------------|---------------------------------------|-------|
| 72700249 | PV450NV-03-CSA-IS | DISPLAY MODULE, IS                    | Z     |
| 78001106 | PVW-450-PWR-50    | CABLE, REMOTE, 50FT, IS               | Z     |
| 78001107 | PVW-450-RS485-50  | CABLE, REMOTE COMMUNICATION, 50FT, IS | Z     |

## Fuses

| Part No. | Description  | Class |
|----------|--|-------|
| 00009771 | FUSE, COILS, C520-5A, FAST-ACTING                            | Z     |
| 47000022 | FUSE, (BAG OF 10) RELAYS-DISPLAY, BUSS, C520-2A, FAST-ACTING | Z     |

## How To Order

To order a complete IntelliSpark® Ignition System, please contact a local FW Murphy sales representative to better serve your specific needs.

Below is a list of FW Murphy Domestic and International Sales and Service locations. A Master Distributor can also be found by going to [fwmurphy.com/wheretobuy/us-sales-distributors](http://fwmurphy.com/wheretobuy/us-sales-distributors).

In order to bring you the highest quality, full-featured products, we reserve the right to change our specifications and designs at any time.

Specifications and performance data subject to change without notice. Certified specifications and performance data available upon request.

**FW MURPHY PRODUCTION CONTROLS**  
SALES, SERVICES & ACCOUNTING  
5417 S. 122ND E. AVE.  
TULSA, OK 74146

**CONTROL SYSTEMS & SERVICES**  
105 RANDON DYER ROAD  
ROSENBERG, TX 77471

**MANUFACTURING**  
5757 FARINON DRIVE  
SAN ANTONIO, TX 78249

### DOMESTIC SALES & SUPPORT

**FW MURPHY PRODUCTS**  
PHONE: 918 317 4100  
EMAIL: [INFO@FWMURPHY.COM](mailto:INFO@FWMURPHY.COM)  
[WWW.FWMURPHY.COM](http://WWW.FWMURPHY.COM)

**FW MURPHY CONTROL SYSTEMS & SERVICES**  
PHONE: 281 633 4500  
EMAIL: [CSS-SOLUTIONS@FWMURPHY.COM](mailto:CSS-SOLUTIONS@FWMURPHY.COM)

### INTERNATIONAL SALES & SUPPORT

**CHINA**  
PHONE: +86 571 8788 6060  
EMAIL: [APSALES@FWMURPHY.COM](mailto:APSALES@FWMURPHY.COM)

**LATIN AMERICA & CARIBBEAN**  
PHONE: +1 918 317 2500  
EMAIL: [LASALES@FWMURPHY.COM](mailto:LASALES@FWMURPHY.COM)

**SOUTH KOREA**  
PHONE: +82 70 7951 4100  
EMAIL: [SKOREASALES@FWMURPHY.COM](mailto:SKOREASALES@FWMURPHY.COM)



FM 668576 (San Antonio, TX - USA)  
FM 668933 (Rosenberg, TX - USA)



FM 523851 (China) TS 589322 (China)

F W M U R P H Y

# IntelliSpark®

## Intelligent Ignition Control System



Maximized performance for spark-ignited natural gas engines

**FW MURPHY™**  
PRODUCTION CONTROLS

# IntelliSpark® – Optimize Your Engine with FW Murphy's Powerful Solution

As a key component in FW Murphy's flagship EICS solution, the IntelliSpark ignition system provides complete control of how your engine is running. Extract the IntelliSpark power and leverage its dominant technology to ensure your system is working at optimal performance.

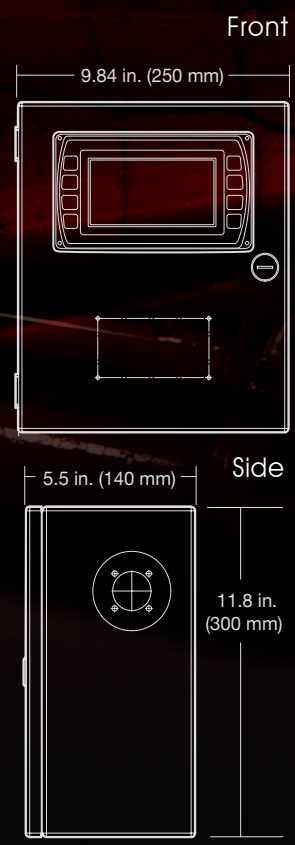
Full-color, easy-to-read screens allow technicians to monitor all the variables and easily detect problems at a glance. See key data and know if you are dealing with a bad spark plug, low power cylinder or a part that is failing. Know the problems that need attention and see potential problems before they cost you time and money. The IntelliSpark system utilizes FW Murphy's Smart Coil™ technology providing real-time ignition energy measurements.

The IntelliSpark product line includes some of the most advanced ignition controls available and the most user-friendly interface. Simply select your engine along with your desired timing option. Then see your modernized engine run at top performance.

This advanced system allows you to reduce fleet engines parts inventory with common coils as well as minimize training requirements with intuitive screens.

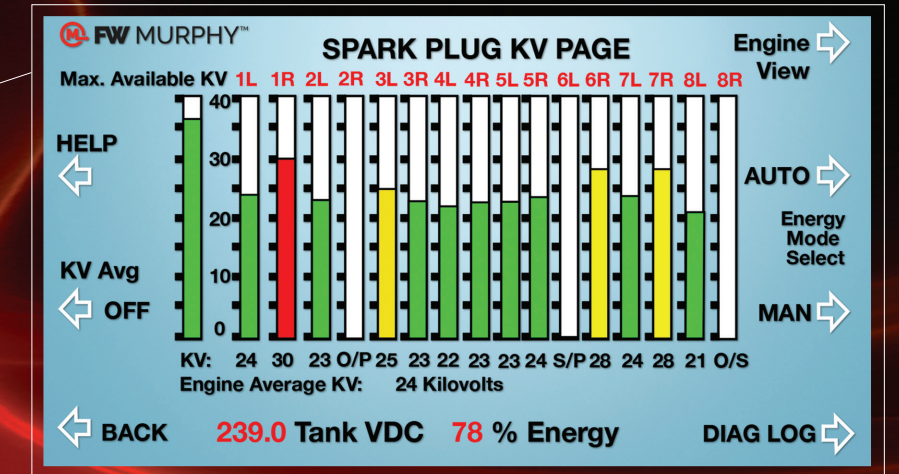
Solve engine management worries with the IntelliSpark system. Optimize your bottom line with true ignition energy measurements; accurate prognostics and diagnostics; and reduce unplanned downtime.

- Power Requirements:
  - IS-16/8: 10-30 Volts (12/24 VDC nominal), 3.0 Amps max.
  - IS-32: 10-30 Volts (12/24 VDC nominal), 6.0 Amps max.
- Environment:
  - Temperature Operating Range: -4 to +158 F (-20 to +70 C)
  - Enclosure Rating: IP67, with enclosure-mounted display
  - Enclosure Rating: Type 4 without display mounted
- Energy Storage:
  - 180 mJ maximum, per tank capacitor
- Output Electrical Specifications:
  - IS-8: Fires 8 outputs, Single tank capacitor
  - IS-16: Fires 16 output, Dual, alternately fired tank capacitors
  - IS-32: Fires 32 outputs, 2 outputs can fire simultaneously, Quad, alternately fired pairs of tank capacitors.
- Maximum Output Current Pulse Rating: 40 Amps  
Note: Current pulse amplitude depending on the coils used
- 4/20 mA Inputs:
  - 4/20mA A: Programmable to retard timing when schedule A is active
  - 4/20mA B: Programmable to retard timing when schedule B is active
- Communications:
  - IS-8/16: Available auxiliary comm port, RS-485 interface, Modbus protocol. Port has user programmable slave ID 9600 baud (19.2K)

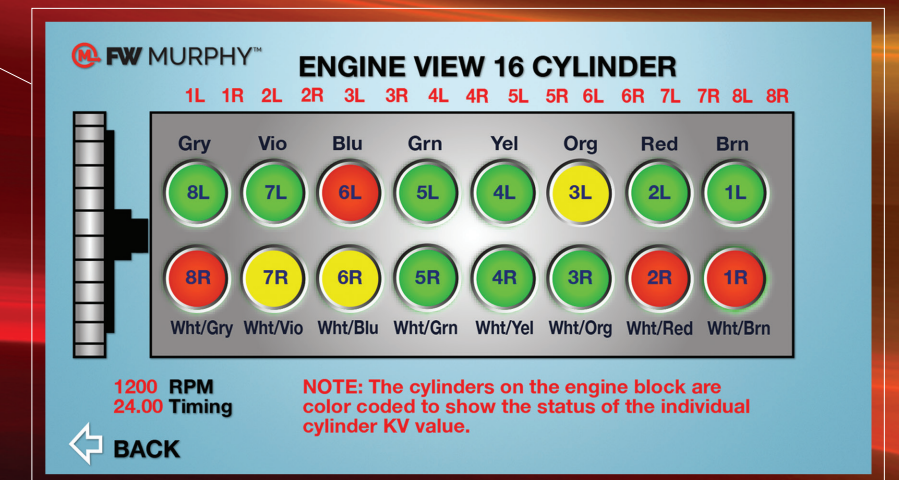


## High resolution display – power at a glance

The easy-to-read 4.3-inch color display is highly durable. It features a full-color LCD and offers best-in-class sunlight readability. Its rugged design is perfect for all types of environments.



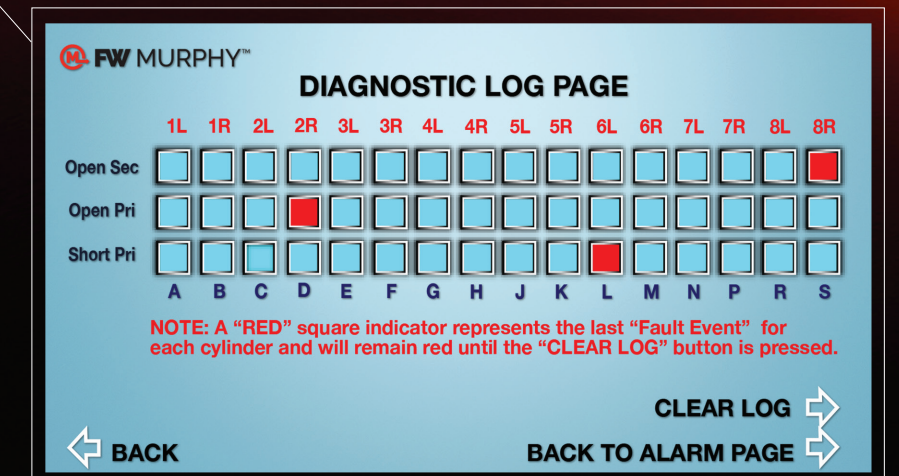
Spark Plug Diagnostic Page



Engine Fault Event Page

## IntelliSpark ignition systems:

- Provide comprehensive engine management
- Extend maintenance intervals, reducing downtime
- Modernize engines to extend ROI



Diagnostic Log Page

