

# PROTECT YOUR FLEET

# FLAMING RIVER

HEAVY-DUTY ELECTRICAL

FLAMING RIVER INDUSTRIES  
800 POERTNER DR. - BEREA, OHIO

## BATTERY DISCONNECT SWITCH CATALOG

- PREVENT ELECTRICAL FIRE
- PREVENT BATTERY DRAIN
- PREVENT THEFT



[WWW.FLAMINGRIVERHD.COM](http://WWW.FLAMINGRIVERHD.COM)

# FLAMING RIVER INDUSTRIES



## COMPANY BACKGROUND

Flaming River Industries, Inc.<sup>®</sup> is an Ohio corporation and woman-owned business, located in Berea, Ohio. As we celebrate our 37th year in business, we are proud of the battery disconnect switches and accessories that we provide to the heavy-duty and commercial trucking industries.

Flaming River Industries is well-known for our battery disconnect switches, and over the course of many years of service, The Big Switch has become an industry

standard as it relates to safety and OSHA Regulation 1910.147 for lock-out/tag-out in heavy-duty and commercial vehicle applications.

We are continuing our pledge to provide our customers with the highest quality battery disconnect switches, with the introduction of The Big Switch 500. The Big Switch 500 is Flaming River Industries' response to the increasing demands for higher continuous current requirements within the commercial vehicle industry. The Big Switch 500 was designed from the ground up as a more rugged and powerful product capable of handling 500 Amps continuously. The Big Switch 500 was designed right here in Northeast Ohio, and is built and assembled in the USA.

We also proudly distribute and carry a series of automatic battery disconnect switches that focus on convenience, battery preservation, and fleet safety. The Electro Wizard<sup>®</sup> has proven to be a dependable and irreplaceable component for large vehicles and heavy-duty equipment. Our newest products—the Low-Voltage Disconnect Switch and Watch Dog<sup>®</sup>, join the ranks of our expanding list of automatic battery disconnect switches. The Watch Dog<sup>®</sup> can run continuously at 300 Amps and includes features like bi-stable “magnetic latch” technology, a built-in programmable time delay, and an external emergency shut-off switch making battery disconnection simpler and safer than ever. The technologies of the automatic battery disconnect switches and original Big Switch is supplied by a well-known Italian manufacturer.

Flaming River Industries is certified in ISO 9001:2015 Quality Management Systems standards. By adhering to these ISO quality standards, Flaming River Industries' manufacturing processes and products are certified to world-class specifications for quality, safety and efficiency. We are also certified in ISO 14001:2015 Environmental Management Systems. This certification ensures that Flaming River Industries minimizes its impact on the environment and complies with all applicable and statutory regulatory requirements.



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intertek



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# PROTECT YOUR FLEET



## HELPS TO PREVENT:

- **BATTERY DRAIN**
- **VEHICLE THEFT**
- **ELECTRICAL FIRE**

### [ KNOCK-OFFS ]

**WARNING:** Flaming River Battery Disconnect Switches have become so popular there are now replicas being made of them, however these poor quality knock-off switches could potentially damage your vehicle. Always look for a Flaming River label when purchasing a Battery Disconnect Switch.

## WHY SHOULD YOU BUY?

Installing a battery disconnect switch in a truck offers several practical benefits. Firstly, it provides a convenient way to disconnect the battery, which is essential to help prevent battery drain during periods of inactivity, such as when storing the truck. These switches are also in compliance with OSHA Lock-out/Tag-out which helps prevent accidental energization during maintenance.

As an added feature Flaming River also provides switch variations that include an LED Indicator. This produces a visual assurance that a switch is ON or OFF as an additional safety measure during storage. (See **FR1046LED** and **FR1044LED** for more information).

Additionally, a battery disconnect switch enhances vehicle security by cutting off power to the electrical system, which can deter theft and unauthorized use. It serves as an effective anti-theft measure since it makes it difficult for thieves to hot-wire or start the vehicle without the key.

# HOW MANY AMPS DO YOU NEED?

## WHICH SHOULD YOU CHOOSE?

Your choice between 500 amps and 250 amps largely depends on your vehicle's characteristics. If your vehicle features many electrical components that require a large current consumption, the 500 continuous amps provided by the FR1046 is most likely the best option. In extreme cold winter temperatures and applications with the longer cranking time the FR1046 would also be an improvement.

Both switches excel at their primary function of preserving your battery's charge, ensuring it's always ready to power up your vehicle when you need it. Whichever you choose, you can trust Flaming River's reputation for quality and reliability.

Remember that proper installation and usage are essential to maximize the benefits of your chosen battery disconnect switch. Always refer to the switch's installation instructions and always use terminal covers on a switch as it becomes a live part of your electrical system. Also, consult with your Original Equipment Manufacturer to be sure a battery switch is appropriate for your application as well as the location for mounting.

In the end, whether it's a 500 amp switch or a 250 amp switch, you can drive with confidence knowing your truck is in good hands.



MADE IN THE USA

# 500 CONTINUOUS AMPS

## YOUR CHOICE

### OSHA LOCK-OUT / TAG-OUT COMPLIANT



MADE IN ITALY

# 250 CONTINUOUS AMPS

# THE BIG SWITCH 500

**500 AMPS**

The Big Switch 500 is a heavy-duty switch which boasts a 500 Amp continuous rating due to its unique internal silver tin oxide pads and silver-plated terminals. The rugged body is made from glass-filled nylon for impact resistance and extreme temperature resistance. The Big Switch 500 can withstand extreme vibration; making it ideal for both the racing and heavy-duty trucking markets.



LOCK NOT INCLUDED

- **500 CONTINUOUS AMPS**
- **HIGH IMPACT PROTECTION**
- **CREATES VEHICLE THEFT DETERRENCE**
- **COMPLIES WITH OSHA LOCK-OUT TAG-OUT**
- **WATER RESISTANT (IP65) & CORROSION RESISTANT**
- **SILVER-PLATED STUDS**
- **RIVETED DESIGN**

**MADE IN THE USA!**

PART NUMBER:  
**FR1046**



1 3/16 INCHES

- Heavy-duty battery disconnect switch that boasts a 500 amp continuous rating
- Silver pads and terminals provide higher rating.
- Innovative glass-filled nylon material is impact and extreme temperature resistant
- Sealed waterproof and corrosion-resistant design
- Can withstand extreme vibration—making it ideal for racing and heavy-duty truck applications
- Optional lock-out feature allows switch to be locked in the OFF position to comply with OSHA lock-out/tag-out regulation 1910.147
- Made in the USA with American-made components and materials

## THE BIG SWITCH 500 WITH LED INDICATOR

PN: **FR1046LED**



NEW LED Indicator provides visual indication for both 12 Volt and 24 Volt Systems.

**FOR MORE INFO SEE PAGE 19**

## THE BIG SWITCH 500 FOR RACING

PN: **FR1048**



## THE BIG SWITCH 500 WITH DIAMOND BRACKET & LEVER HANDLE

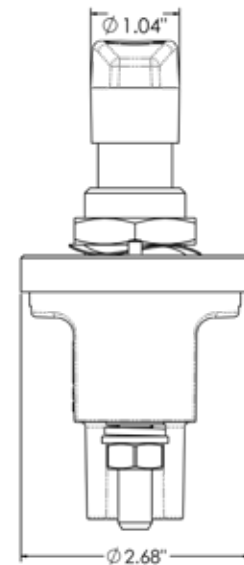
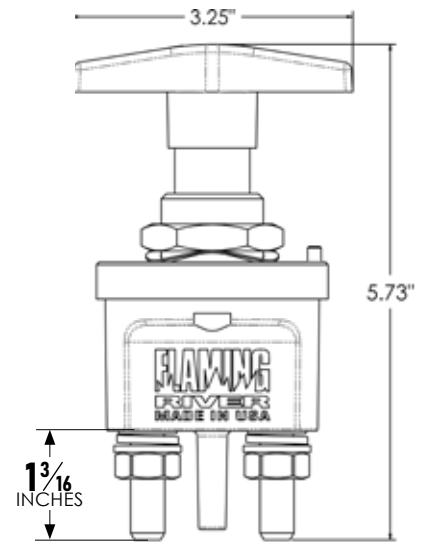
PN: **FR1047**



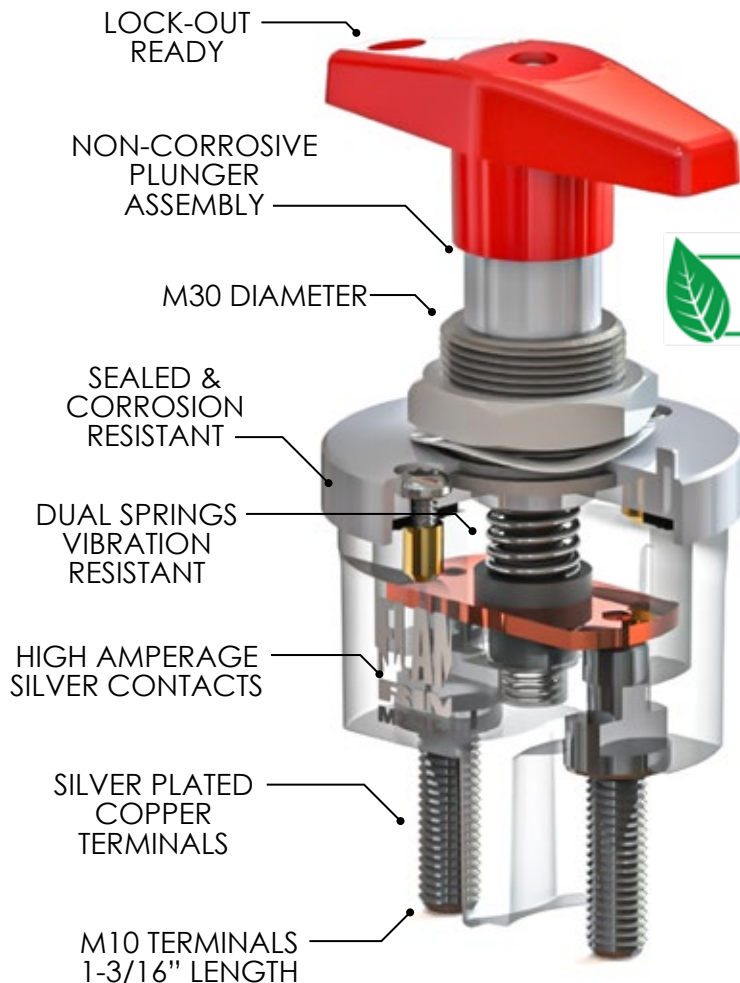
# 500 AMP BATTERY DISCONNECT SWITCH

500 AMPS

DESCRIPTION	THE BIG SWITCH 500
Voltage	12V/24V
Max Continuous Current	500 Amps
Environmental Protection Rating	IP65
Corrosion Resistant	Yes
Operating Temperature	-40°F to +176°F (-40°C to +80°C)
Switch Body Material	Glass-filled nylon
Internal Contacts	AgSnO2 (Silver Tin Oxide) Plated Copper
Contact Terminals	AgSnO2 (Silver Tin Oxide) Contacts
Stud Diameter	M10
Available Stud Length	1.18 in (1-3/16 in)
Contact Hardware	Nickel-plated brass
M10 Tightening Torque	11-13 ft-lbs



## THE BIG SWITCH 500 INTERNALS



### TERMINAL COVERS

Sold in sets of two, can be used to cover cables on all Battery Disconnect Switches. Sold separately from switch.

PART NUMBER:

**FR1003TM**



### WARNING

Terminals on battery disconnect switches are live parts of the electrical system. Covers are recommended, but not included, for each kit. Never attach Jumper Cables to the Switch Terminals. This is an Electrical Hazard and may cause damage to your vehicle.

# THE BIG SWITCH WITH XL TERMINALS

**250 AMPS**



- Increased Terminal Space
- 250 Amps continuous service
- Complies with OSHA lock-out/tag-out regulation 1910.147
- 2500 Amps for 5 second intervals (12V/24V)
- Silver-plated copper electrical contacts
- Nickel-plated brass hardware
- Completely sealed, waterproof design
- Three (3) year warranty

PART NUMBER:  
**FR1044**

**LONGER STUD LENGTH FOR EASIER CABLE INSTALLATION**

0.95"



LOCK NOT INCLUDED

Nickel-Plated Brass fasteners for corrosion resistance



## TERMINAL COVERS FOR THE BIG SWITCH

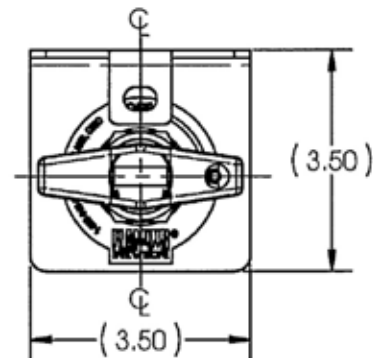
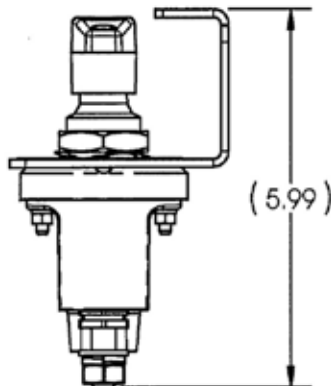
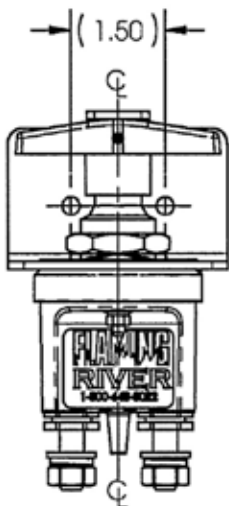
Sold in sets of two. Can be used to cover cables on all Battery Disconnect Switches. Sold separately from switch.

PART NUMBER:  
**FR1014TM**



DESCRIPTION	THE BIG SWITCH
Warranty	3 Years
Voltage	12V/24V
Max Continuous Current	250 Amps
Max Surge Current	2500 Amps
Environmental Protection Rating	IP65
Waterproof	Yes
Operating Temperature	-40°F to +176°F (-40°C to +80°C)
Contact Terminals	Silver-Plated Copper
Contact Hardware	Nickel-Plated Brass
Stud Diameter	M10
Available Stud Length	.95 in (approx. 61/64 in)
Max Tightening Torque	11-13 ft-lbs

## SWITCH DIMENSIONS





# 250 AMP BATTERY DISCONNECT SWITCH

250 AMPPS

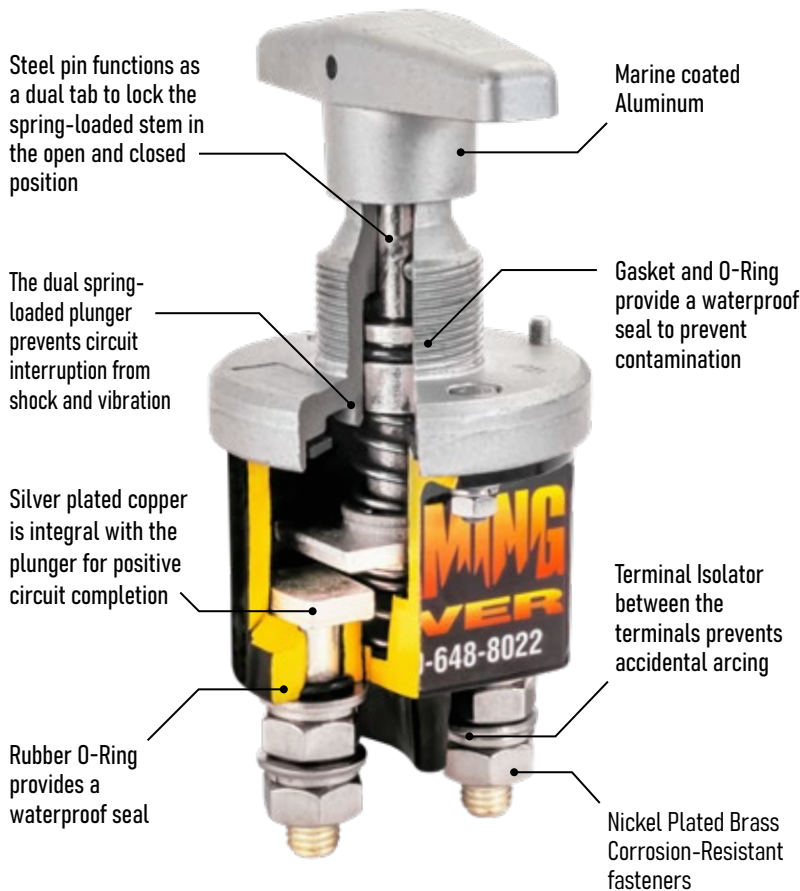
## THE BIG SWITCH WITH LED INDICATOR

The Big Switch is now available with an illuminated LED that provides a visual cue that easily identifies whether the switch and electrical system are ON or OFF for proper shut down procedure.

- LED Indicator Light - Clear indicator that system is ON or OFF
- Rated Capacity 2500 Amps / 250 continuous
- Stainless Steel Fasteners for corrosion resistance
- Water Resistant
- Silver-plated copper internal contact plates
- M10 studs
- Lock-out feature enables use of padlock for OSHA Lock-out/Tag-Out compliance regulation 1910.147



## THE BIG SWITCH INTERNALS

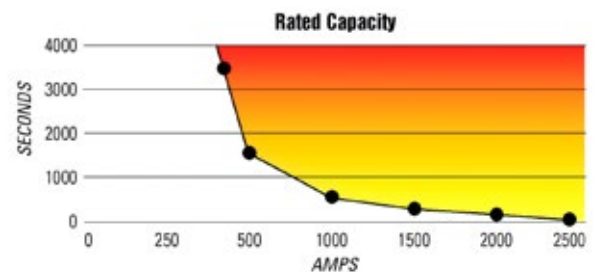


PART NUMBER:

**FR1044LED**

### PART NO. DESCRIPTION

PART NO.	DESCRIPTION
FR1044LED	Big Switch Battery Disconnect with LED Indicator
FR1008LED	Lock-Out Bracket and LED Indicator only (for retrofit to existing "Big Switch")



# THE BIG SWITCH

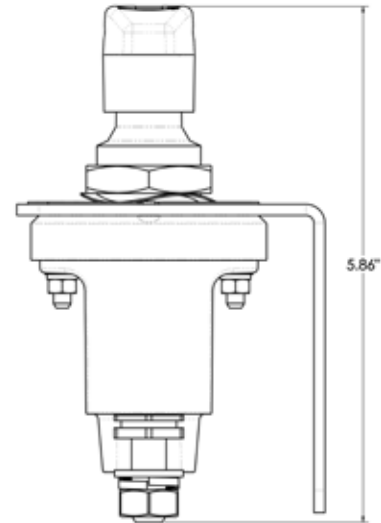
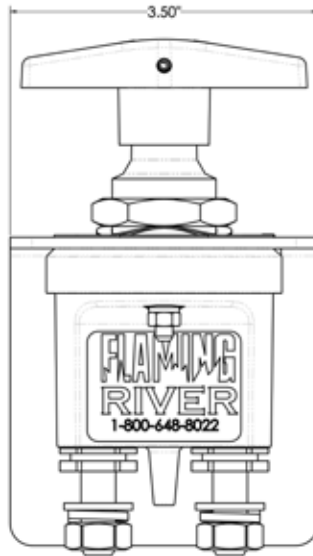
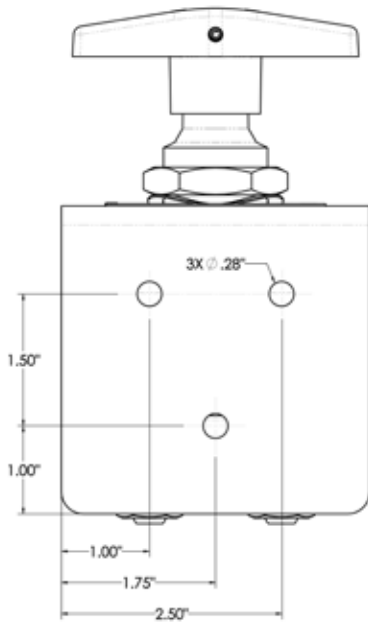
Top racers realize that using a low amp switch creates resistance and actually reduces power. Flaming River's® heavy duty battery disconnect switch is top of the line designed for complex electrical systems and 16 Volt batteries.

PART NUMBER: **FR1003**

- Rated at 250 amps continuous service (12V/16V/24V) and 2500 amps for 5 second surges.
- Spring-loaded, vibration-resistant, waterproof design.
- Accepted by most sanctioning bodies including IHRA/NHRA.
- Furnished with an easy-grip T-handle, anodized aluminum bracket and zinc-plated mounting hardware.



## SWITCH DIMENSIONS



DESCRIPTION	THE BIG SWITCH
Part No.	FR1003
Warranty	3 Years
Voltage	12V/24V Max
Continuous Current	250 Amps
Max Surge Current	2500 Amps (5 seconds)
Environmental Protection Rating	IP65
Waterproof	Yes
Operating Temperature Range	-40°C to +80°C/-40°F to +176°F
Contact Terminals	Silver Plated Copper

Contact Hardware	Nickel Plated Brass
Stud Diameter	M10 Available
Stud Length	0.775" (approx. 25/32 in)
Max Tightening Torque	11-13 ft-lbs
Mounting Bracket Included	Yes
Mounting Bracket Part No.	FR1007
Terminal Covers Included	No
Terminal Covers Part No.	FR1003TM (pair)
Additional Notes	Approved for NHRA/IHRA competition use

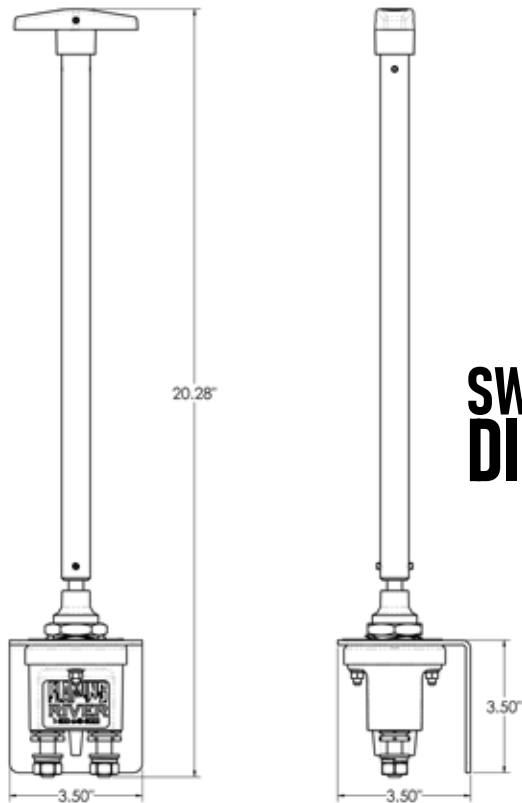
# 250 AMP BATTERY DISCONNECT SWITCH

250 AMPS

THE BIG SWITCH WITH EXTENSION KIT PART NUMBER: **FR1003-4**

EXTENSION HANDLE ONLY PART NUMBER: **FR1003-EXT**

- Rated at 250 amps continuous service (12V/16V/24V) and 2500 amps for 5 second surges.
- Spring-loaded, vibration-resistant, waterproof design.
- Accepted by most sanctioning bodies including IHRA/NHRA.
- Furnished with an easy-grip T-handle, anodized aluminum bracket and zinc-plated mounting hardware.



This industrial lever kit allows for remote mounting of the Big Switch. Kit includes a custom 15" aluminum rod, handle, and the FR1003 Big Switch.

## SWITCH DIMENSIONS

**NOTE:** Terminals on battery disconnect switches are live parts of the electrical system. Covers are recommended, but not included, for each kit.  
**Never attach Jumper Cables to the Switch Terminals. This is an Electrical Hazard and may cause damage to your vehicle.**

## TERMINAL COVERS

Sold in sets of two, can be used to cover cables on all Battery Disconnect Switches. Sold separately from switch.

PART NUMBER:

**FR1003TM**



FEATURE	FLAMING RIVER HEAVY DUTY SWITCH
Rating (12V/16V/24V)	250 Amps Continuous
Rating Surge (12V/16V/24V)	2500 Amps
Water Resistant	Yes
Silver Plated Terminal	Yes
Design	Spring Loaded
Weight	17 oz.
Warranty	3 Years

# THE BIG SWITCH WITH REMOVABLE KEY

The Big Switch with removable laser cut, stainless steel key enhances the security and safety features available with the Big Switch. This unit is rated at 250 amps continuous service and 2500 amps for 5 second intervals (12V / 24V) It is a heavy duty, waterproof switch. The removable key feature is ideal for construction, farm equipment and passenger cars. An absolutely essential theft deterrent.

PART NUMBER: **FR1009**



DESCRIPTION	THE BIG SWITCH WITH REMOVABLE KEY
Part No.	FR1009
Warranty	3 Years
Voltage	12V/24V
Max Continuous Current	250 Amps
Max Surge Current	2500 Amps (5 seconds)
Environmental Protection Rating	IP65
Waterproof	Yes
Operating Temperature Range	-40°C to +80°C -40°F to +176°F
Contact Terminals	Silver Plated Copper
Contact Hardware	Nickel Plated Brass
Stud Diameter	M10 Available
Stud Length	0.775" (approx. 25/32 in)
Max Tightening Torque	11-13 ft-lbs
LED ON/OFF Indicator	No
Lock-Out Capability	Yes - Removable Key
Replacement Key Part No.	FR1009K
Mounting Bracket Included	Yes
Mounting Bracket Part No.	FR1007

## TERMINAL COVERS

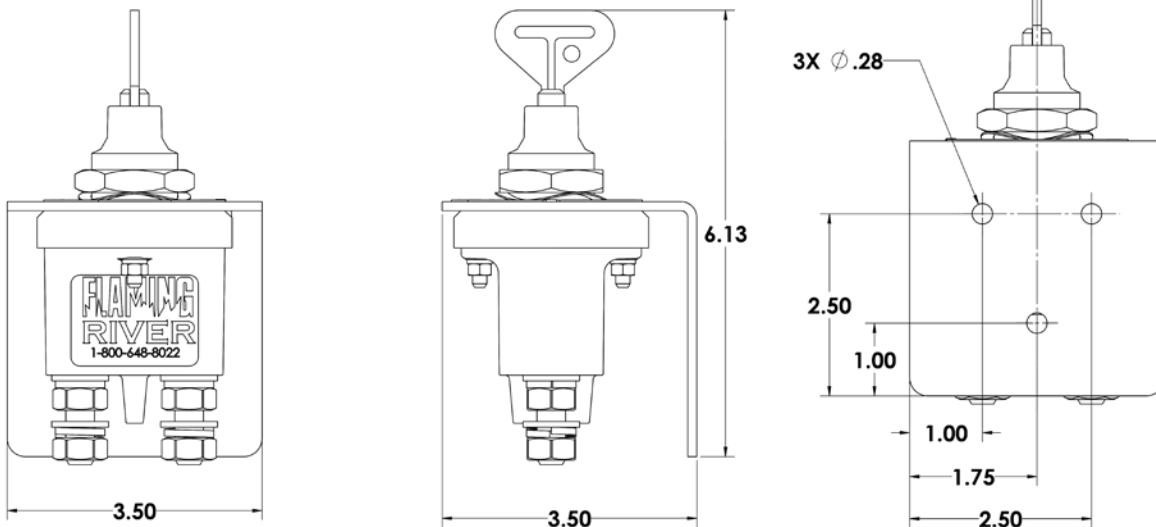
Sold in sets of two, can be used to cover cables on all Battery Disconnect Switches. Sold separately from switch.

PART NUMBER:

**FR1003TM**



## SWITCH DIMENSIONS



# 350 AMP BATTERY DISCONNECT SWITCH

**350 AMPS**

This heavy-duty battery disconnect switch, with larger diameter terminal studs, is ideal for Class 8 Trucks, RVs, Chippers and other construction vehicles. Clip-on terminal covers are designed to protect against arcing. Proprietary brass attaching nut allows 180 degree rotation. Higher Amp capacity - 2500 amps/350 continuous.

PART NUMBER:  
**FR1043**



DESCRIPTION	FR1043
Warranty	3 Years
Voltage	12V/24V
Max Continuous Current	350 Amps
Max Surge Current	2500 Amps
Environmental Protection Rating	IP65
Waterproof	Yes
Operating Temperature	-40°F to +176°F (-40°C to +80°C)
Contact Terminals	Silver-Plated Copper
Contact Hardware	Stainless Steel
Stud Diameter	M12
Available Stud Length	1.50"
Max Tightening Torque	11-13 ft-lbs

## SWITCH INTERNALS

Increased insulation bushings to H class rating

Clip-on terminal covers are designed to protect against arcing and short circuit. Terminal Covers are splash and dust proof

ALSO AVAILABLE WITH LED INDICATOR  
PART NUMBER:  
**FR1043LED**

Thicker silver-plated copper internal contact plates

Proprietary brass nut allows for 180 degree rotation

Larger diameter studs - .4725 (M12) Measuring 1.25" in length to allow easier double cable connection

Stainless Steel fasteners for corrosion-resistance



- Water Resistant
- Silver-plated copper internal contact plates
- Increased insulation to H Class rating
- Larger diameter studs - .4725 inch (M12)
- Longer studs - 1.25" to allow easier double cable connection
- Stainless Steel Fasteners for corrosion-resistance
- Lock-out option: Enables use of padlock for security

## TERMINAL COVERS FOR GROOVED TERMINAL STUDS

Sold in sets of two. Can be used to cover cables on all Battery Disconnect Switches. Sold separately from switch.

PART NUMBER:  
**FR1014TM**



# THE WATCH DOG

**AUTOMATIC**



The Watch Dog® is capable of handling 300 Amps of current continuously and designed with versatility in mind to function on both 12V and 24V systems. Utilizing bistable “magnetic latch” technology, the Watch Dog® secures its ON/OFF positions without current draw and requires over 80G of force to mechanically separate the contacts. The Watch Dog® has some of the highest International Protection ratings of IP76 and IP69K, ensuring that water and dust stay out. The Watch Dog® has built-in programmable time delay settings and a manual emergency toggle switch with a system status LED indicator.

PART NUMBER: **FR1057**



## INCLUDED IN THE PACKAGE:

- Watch Dog® Main Battery Disconnect Switch
- Emergency Toggle Switch
- 4-way wire harness (8.33 feet)
- 7-way wire harness (13.25 feet)
- Momentary Push Button

## TOP 5 REASONS TO USE THE WATCH DOG:

- Simplify your shutdown routine with automatic battery disconnection and a programmable time delay (default 6 min).
- Bistable “Magnetic Latch” Technology. Main switch can maintain the ON and OFF positions without current consumption.
- Max continuous current load of 300 Amps. Supports 12V and 24V systems out of the box.
- Incredibly durable. Dust and water tight, even against high pressure water jets.
- Safety is a priority with the included Emergency Toggle Switch for manual Watch Dog® control.

**NOTE:** The Watch Dog® system is an electromechanical battery disconnect switch. The emergency external switch will only disconnect the battery from the electrical system. This product is NOT designed to deactivate the alternator or shut down the vehicle completely.

DESCRIPTION	300 AMP WATCH DOG BATTERY DISCONNECT
Part No.	FR1057
Voltage	12V/24V
Max Continuous Current	300 Amps
Max Surge Current	1,000 Amps (30 seconds) 2,000 Amps (5 seconds)
Environmental Protection Rating	IP67 and IP69K (water pressure cleaning)
Waterproof	Yes
Corrosion Resistance	Salt Spray Test: 300h
Terminal Length	0.670" (approx. 43/64 in)
Terminal Diameter	M10
Operating Temperature Range	-40°C to +85°C -40°F to +185°F
Internal Contacts	Silver-Plated Copper with Silver Pads
Contact Terminals	Silver-Plated Copper with Silver Pads
Contact Hardware	Nickel-Pl ated Brass
Automatic Shut-Off	Yes
Manual Emergency Shut-Off	Yes
Programmable Time Delay	6 Min. (Default), 3 Min., 1 Min., 30 Sec.

# AUTOMATIC BATTERY DISCONNECT SWITCH

**AUTOMATIC**

## BISTABLE MAGNETIC LATCH

- Bistable "Magnetic Latch" Technology. Main switch can maintain the ON and OFF positions without current consumption.
- Max continuous current load of 300 Amps. Supports 12V and 24V systems out of the box.
- Incredibly durable. Dust and water tight, even against high pressure water jets.

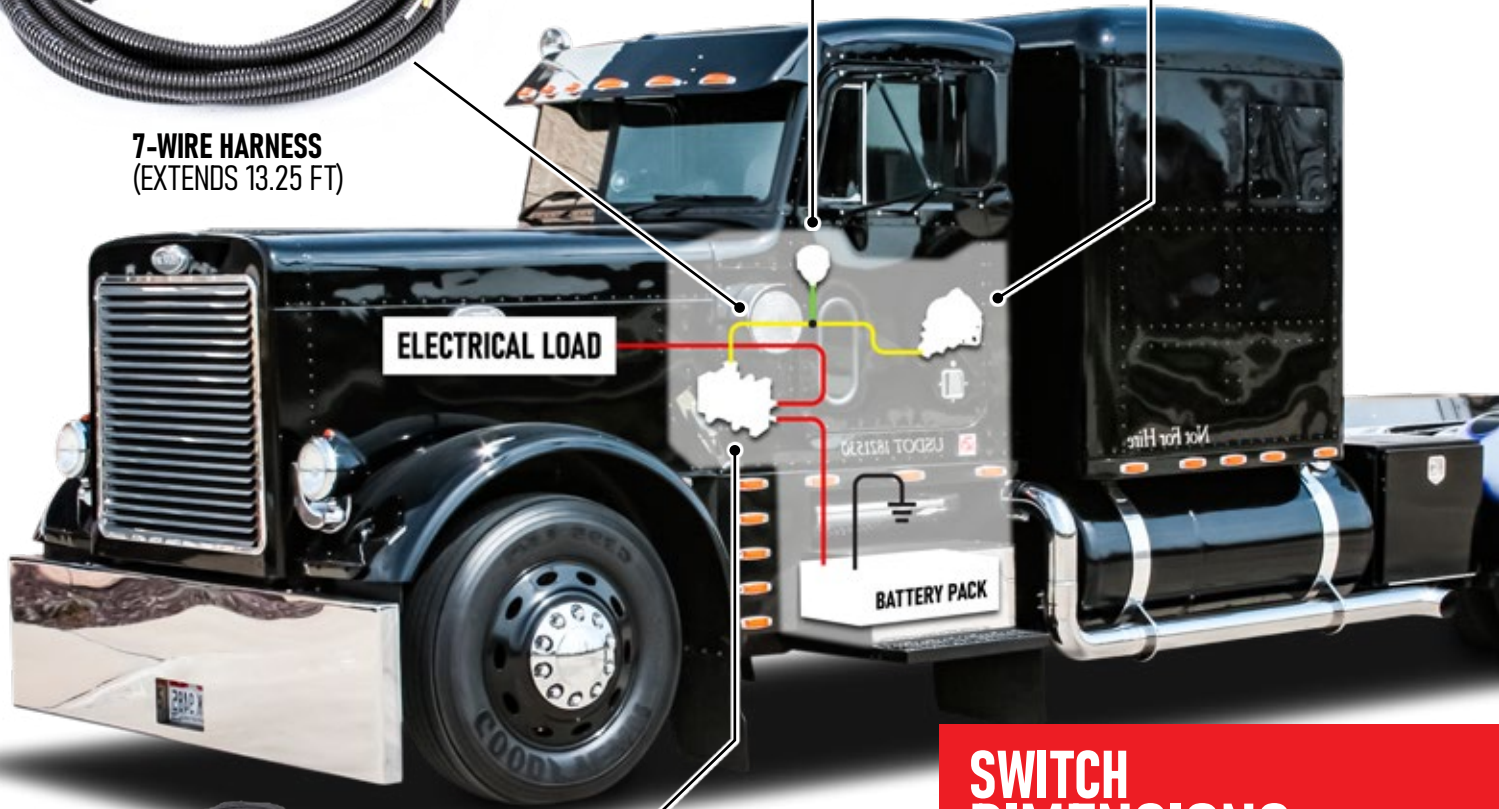


**7-WIRE HARNESS**  
(EXTENDS 13.25 FT)

**SYSTEM  
ACTIVATION  
BUTTON**



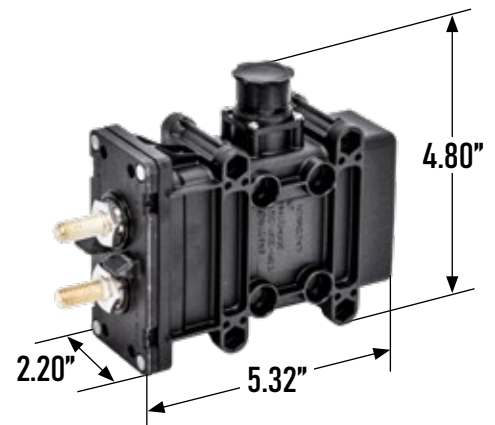
**MANUAL  
EMERGENCY  
OVERRIDE  
SWITCH**



## SWITCH DIMENSIONS



**WATCH DOG BATTERY  
DISCONNECT SWITCH**



# THE ELECTRO-WIZARD

**AUTOMATIC**



PART NUMBER:

**FR1051**

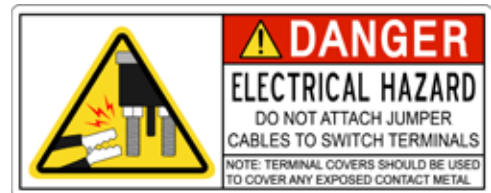


**IDEAL PROTECTION FOR:**

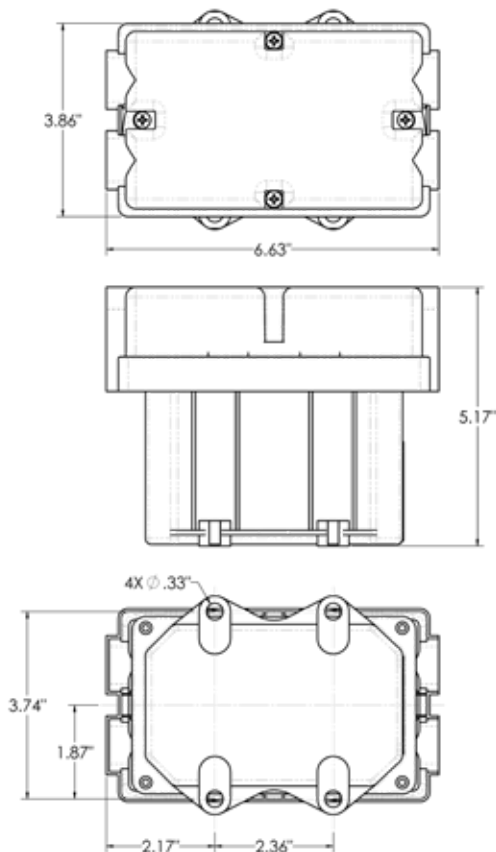
- Construction & Farm Equipment / Mining & Off-Highway Vehicles
- Heavy-Duty Trucks
- Automotive / Racing
- Marine
- DEF System Compatible

**FEATURE INCLUDE:**

- 12 Volt Electronic Battery Disconnect Switch. 24V system available upon request.
- Passive Magnetic Solenoid Operation - No mechanical switch to forget to operate
- Sealed Waterproof Design Can withstand severe operating condition



**SWITCH DIMENSIONS**

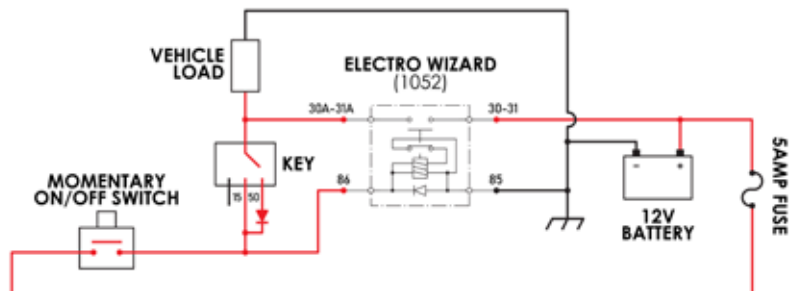


**PART NUMBER DESCRIPTION**

<b>FR1051</b>	12V Electro Wizard - Grounded Solenoid (Positive Disconnection ONLY)
<b>FR1052</b>	12V Electro Wizard - Insulated Solenoid (Positive AND Negative Disconnection Supported)

DESCRIPTION	ELECTRO-WIZARD
Voltage	12V
Max. Continuous current on main contacts	250 A @ (74°F / 23°C)
Max. Surge current on main contacts	2500 A for 3 sec.
Environmental Protection Rating	IP65
Tightening torque M10 nuts	14.75ft lb. / 20 NM
Tightening torque M 5 nuts	1.18ft lb. / 1.6 NM
Operating temperature range	-40°F - 185°F / -40°C - 40°C
Contacts	Silver plated copper
Contact Terminals	M10 tin-plated brass
Contact Hardware	Brass

**WIRING DIAGRAM**

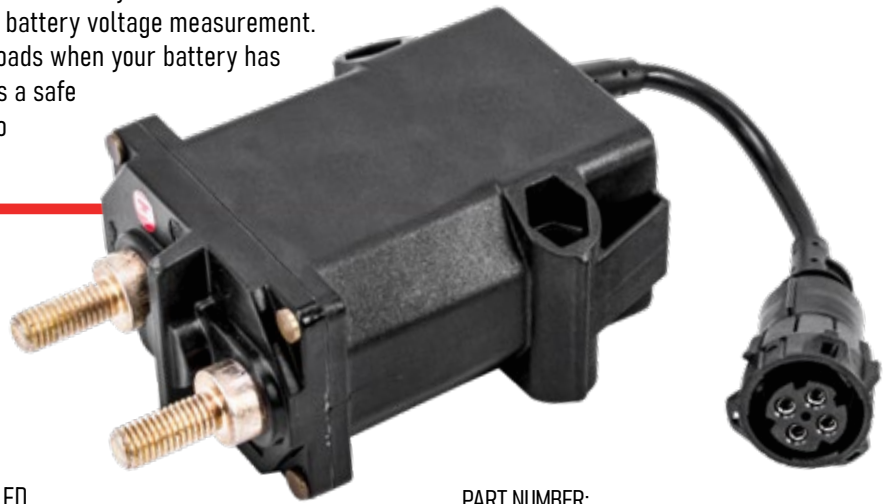




# LOW VOLTAGE SWITCH

**AUTOMATIC**

Flaming River's Low Voltage Battery Disconnect Safety switch disconnects your vehicle's battery through an internal battery voltage measurement. This safety switch disconnects auxiliary loads when your battery has drained past a specified threshold. (This is a safe battery level designed to allow the user to restart the vehicle).

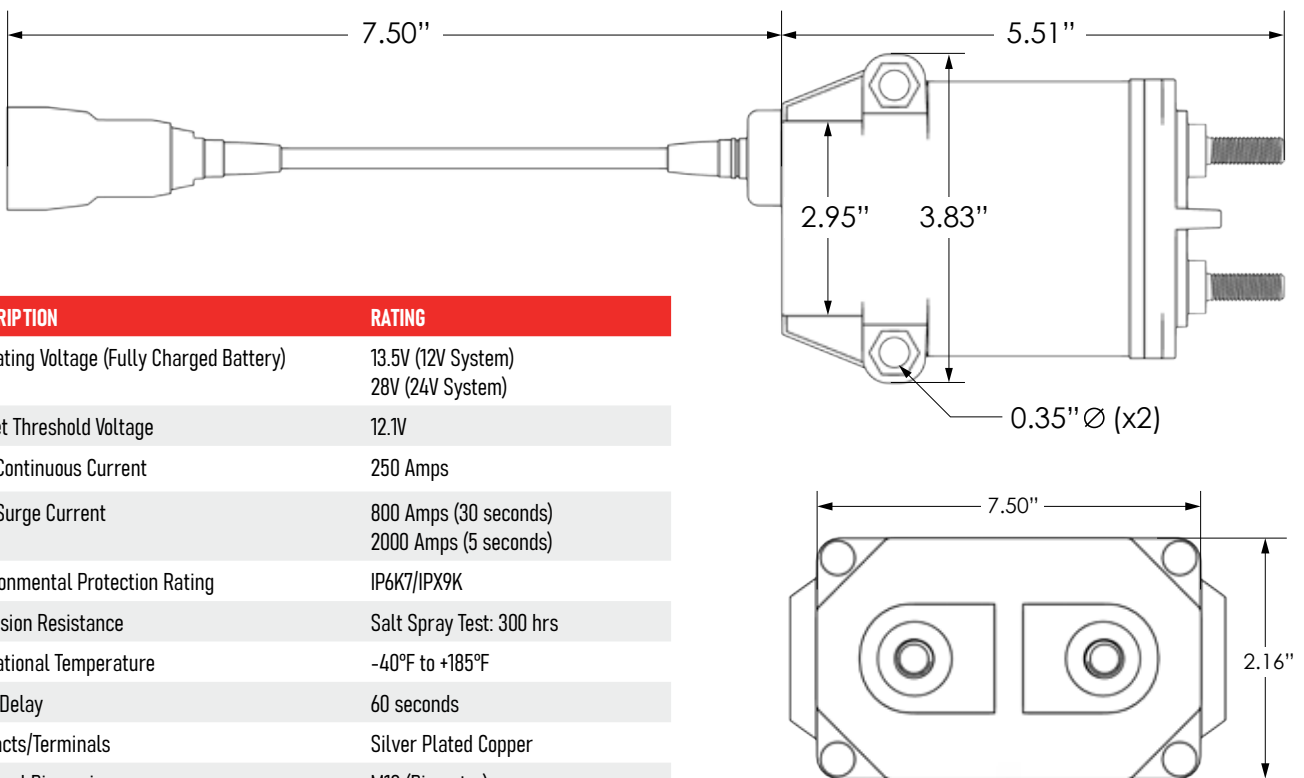


PART NUMBER:

**FR1058**

- Battery charging will automatically reconnect the load
- Positive voltage from the ignition line will prevent load disconnect while the vehicle is operating
- Manual disconnect operated by dash mounted toggle ON/OFF switch
- System status can be monitored via LED indicator
- 1-3 mA current draw while monitoring battery voltage
- Thermal protection from overheating
- Environmentally-sealed device for maximum life span (IP6K7/IP69K ratings).
- Includes 4-way wire harness (13 feet long) with connections to Vehicle Ignition, Ground, Command Button, and Indicator Light

## SWITCH DIMENSIONS



DESCRIPTION	RATING
Operating Voltage (Fully Charged Battery)	13.5V (12V System) 28V (24V System)
Preset Threshold Voltage	12.1V
Max Continuous Current	250 Amps
Max Surge Current	800 Amps (30 seconds) 2000 Amps (5 seconds)
Environmental Protection Rating	IP6K7/IPX9K
Corrosion Resistance	Salt Spray Test: 300 hrs
Operational Temperature	-40°F to +185°F
Time Delay	60 seconds
Contacts/Terminals	Silver Plated Copper
Terminal Dimensions	M10 (Diameter) 0.94 in. (Length)

# BATTERY & ALTERNATOR SWITCH

## COMBINATION KILL SWITCH

This **150 amp** combo kill switch designed to completely shut down the battery and charging system in an emergency situation. Ideal for racing, vehicle storage, marine and RV applications. Prevents battery drain, theft, and reduces the risk of electrical fire.

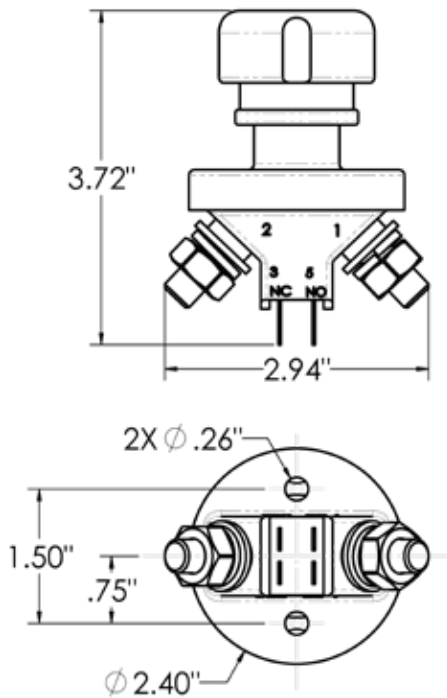
PART NUMBER: **FR1013**



### FEATURES INCLUDE:

- Push Off for emergency shut-down and color-coded to indicate operating position - ON or OFF, with a durable spring-loaded design.
- Meets IHRA, NHRA and SCCA sanctioning body requirements

### SWITCH DIMENSIONS



DESCRIPTION	COMBINATION BATTERY & ALTERNATOR SWITCH
Part No.	FR1013
Warranty	1 Year
Voltage	12V/24V
Max Continuous Current	150 Amps
Max Surge Current	1,200 Amps (5 seconds)
Max Current for Auxiliary Terminals	5 Amps
Environmental Protection Rating	IP65
Alternator	120 Amps
Waterproof	Yes
Operating Temperature Range	-30°C to +60°C -22°F to +140°F
Contact Terminals	Silver Plated Copper
Contact Hardware	Brass
Stud Diameter	M10
Available Stud Length	0.813" (approx. 13/16 in)
Max Tightening Torque	11-13 ft-lbs
LED ON/OFF Indicator	No
Lock-Out Capability	No
Mounting Bracket Included	No
Protective Cover Included	No
Additional Notes	Approved for IHRA, NHRA, & SCCA competition

TOP VIEW

FRONT

BOTTOM



"ON" POSITION



"OFF" POSITION



ALTERNATOR/IGN. TERMINALS



BATTERY TERMINALS

# THE LITTLE SWITCH

## THE LITTLE SWITCH THE LITTLE SWITCH

PART NUMBER: **FR1002**  
PART NUMBER: **FR1002-1**

NO MOUNTING BRACKET

The Little Switch is rated at **100 amps** continuous service and 500 amps for 10 second surges making it ideal for street rods, classics and passenger cars. In addition to preventing battery drain, this unique switch is also a cost effective anti-theft device. A rubber boot seals the neck from moisture and dirt.

### FEATURES INCLUDE:

- Competition approved by IMSA, ARCA, and SCCA.
- Inexpensive Anti-theft Device
- Prevents Battery Drain
- Water Resistant
- Removable Key

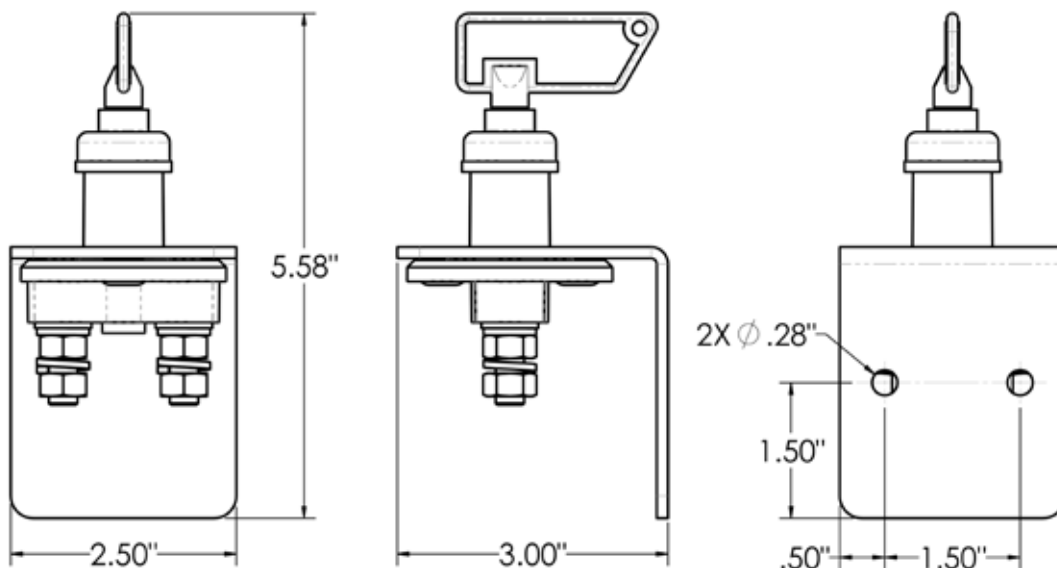


**NOTE:** Terminals on battery disconnect switches are live parts of the electrical system. Covers are recommended, but not included, for each kit. **Never attach Jumper Cables to the Switch Terminals. This is an Electrical Hazard and may cause damage to your vehicle.**

DESCRIPTION	THE LITTLE SWITCH
Warranty	1 Year
Voltage	6V/12V/24V
Max Continuous Current	100 Amps
Max Surge Current	500 Amps (10 seconds)
Environmental Protection Rating	IP4X
Operating Temperature Range	-40°C to +50°C, -40°F to +122°F
Contact Terminals	Copper
Contact Hardware	Zinc Plated Steel
Stud Diameter	M8
Available Stud Length	0.50"
Max Tightening Torque	4.43 ft-lbs / 6 N-m
LED ON/OFF Indicator	No
Lock-Out Capability	Yes - Removable Key
Replacement Key Part No.	FR1002K

Mounting Bracket Included	Yes
Mounting Bracket Part No.	FR1004
Protective Cover Included	Yes - Protective Rubber Boot
Protective Cover Part No.	FR1002BT
<i>Approved for IMSA, ARCA and SCCA Competition Use</i>	

## SWITCH DIMENSIONS



# LED INDICATOR SWITCHES

LED INDICATOR



## 12 & 24 VOLT OPERATION

Introducing Flaming River's latest update to the LED Indicator Battery Disconnect Switches. These switches are now supplied with an all-new LED Indicator specifically for 24-volt electrical systems. Take control of your power effortlessly with this versatile accessory, ensuring your battery stays connected when you need it, and disconnected when you don't. The added LED Indicator on the mounting bracket provides clear visual confirmation, giving you peace of mind and convenience. We offer this new 24 Volt LED for the FR1046 Big Switch 500, FR1044 Big Switch, and FR1008LED stand alone bracket. See part numbers below to see which is right for you.

PART NUMBER SHOWN:  
**FR1046LED**

PART NUMBER	DESCRIPTION
FR1046LED	The Big Switch 500 (500 Amp Switch) with 12 Volt LED
FR1046LED2	The Big Switch 500 (500 Amp Switch) with 24 Volt LED
FR1044LED	The Big Switch (250 Amp Switch) with 12 Volt LED
FR1044LED2	The Big Switch (250 Amp Switch) with 24 Volt LED
FR1008LED	Stand alone Switch Bracket with 12 Volt LED
FR1008LED2	Stand alone Switch Bracket with 12 Volt LED

### SWITCH OPEN



### SWITCH CLOSED



## SIMPLE INSTALLATION

The FR1046LED provides wire leads from the bracket mounted LED that make installation very straight forward. To install the FR1046LED, connect the switch battery terminals in line with the positive cable from the vehicles battery. The positive wire from the LED then can be fitted on the terminal of the switch that is not directly connected to the battery. The negative wire then connects to the switch bracket which will be grounded to the vehicle's chassis. When the switch is closed and power is engaged, this will complete the circuit and illuminate the LED.



### SWITCH CLOSED WITH LED ILLUMINATED

The positive wire from the LED should be connected to this terminal. Terminal covers are always recommended but not included in this figure.



# ELECTRICAL ACCESSORIES

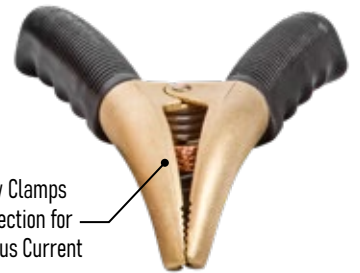
## BA PROFESSIONAL JUMPER CABLES

PART NUMBER: **FR1070**

- Nominal Voltage 12V/24V
- Clamps Material: casting brass
- Cable Material: copper (cross section 50 mm<sup>2</sup>)
- Cable Insulation: highly flexible PVC
- Max Current Carrying Capacity: 1000 A for 30s
- Short-term Current Capacity: 2000 A for 5s
- Ideal for Extreme Cold Temperatures



Strong Brass Jaw Clamps with Copper Connection for Maximum Continuous Current



## REMOVABLE KEY REPLACEMENT

FR1009 Battery Switch comes with a removable key. If that key is lost or needs replacing, Flaming River offers this stand alone key.

PART NUMBER:  
**FR1009K**



## SWITCH LOCK-OUT BRACKET

This battery switch lock-out bracket comes with mounting hardware to easily install a switch anywhere you need in your vehicle.

PART NUMBER:  
**FR1008**



## TERMINAL COVERS

Sold in sets of two, can be used to cover cables on all Battery Disconnect Switches. Sold separately from switch.

PART NUMBER:  
**FR1003TM**



## TERMINAL COVERS FOR GROOVED TERMINAL STUDS

Sold in sets of two. Can be used to cover cables on all Battery Disconnect Switches. Sold separately from switch.

PART NUMBER:  
**FR1014TM**



# BRAND NEW WEBSITE

# FLAMING RIVER HEAVY-DUTY ELECTRICAL

# PROTECT YOUR FLEET

FlamingRiverHD.com



# NEW CLEAN & EASY



Flaming River is pleased to announce that we have launched a website dedicated to our Heavy Duty Division. This website is specifically tailored and developed for heavy duty trucks, waste and refuse, construction, and farming.

Our new website showcases the latest technology and, most importantly, the site provides up-to-date technical information on all of our battery disconnect switches and related products.

This new website contains manual and automatic battery disconnect switches that ease compliance with OSHA lock-out/tag-out regulations.

# FLEET PRICING AVAILABLE!

FOR MORE INFORMATION VISIT:

[FlamingRiverHD.com](http://FlamingRiverHD.com)

OR CALL  
US AT: **800-648-8022**





**PAYMENT:**

We accept Visa, Mastercard and Discover. C.O.D. (US Funds). Certified check or money order is also available at an additional cost.

**DELIVERY:**

Orders ship within 3 to 5 business days using UPS ground freight or other comparable service.

**AIR SHIPMENT:**

Next Day Air, Second Day Air and Three Day Select services are available upon request. These will ship the next business day and are subject to special handling charges. Credit card only for air shipments. Bill to and shipping address must match for address verification.

**RETURNS:**

All sales are final. Please inspect the contents of your order immediately upon receipt of shipment. Products may be returned within thirty (30) days only with RMA number from Flaming River Industries, Inc. There will be a minimum restocking charge of 15% for all authorized returned goods. All approved returns must be shipped freight prepaid – COD shipments will not be accepted. Product that has been used, cut, scratched, painted or installed cannot be returned. Returns must be made to the distributor where purchased. Electronic products are non-returnable.

**CUSTOM PRODUCT:**

Custom production items require full payment with order and are non-returnable.

**ORDERING**

**Phone:**

Orders can be placed by calling our toll-free number:

1-800-648-8022

Hours: 8:30am – 5:00pm EST

**Fax:**

Orders can be placed using our toll-free, 24-hour fax order line:

1-800-243-5263 (1-800-24-FLAME)

**Technical Assistance:**

1-440-826-4488



**Check out our dealer locator & look for an authorized Flaming River Dealer Near You!**

**WARRANTY DISCLAIMER:**

Flaming River's Limited Warranty

Flaming River warrants its products to be free from defects in material and workmanship for a period of one (1) year after the date of purchase, except that: All steering columns are warranted for a period of three (3) years from the date of purchase. The Big Switch and Big Switch 500 (part numbers FR1044/FR1046/FR1047) are warranted for a period of three (3) years from the date of purchase, provided that it is not mounted with a steel bracket and provided further that it is adequately protected from environmental conditions. All electrical products other than the Big Switch are warranted for a period of ninety (90) days from the date of purchase. Flaming River's warranty liability is limited to the replacement of defective products. Flaming River is not liable for any labor costs associated with any warranty claim, or for any incidental or consequential damages. Improper installation, abuse, racing, and/or modification of the products voids this warranty. No warranty of merchantability or fitness for a particular purpose is made by Flaming River with respect to any of its products.

**WARNINGS & RECOMMENDATIONS:**

It is the customer's responsibility to determine the suitability of a given Flaming River product for the customer's uses. Likewise, it is the customer's responsibility to install a Flaming River product. Contact the vehicle manufacturer whenever installing a switch to confirm the appropriateness of using such a switch and the recommended placement of the switch on the vehicle. Use qualified chassis specialists for the installation of all steering related components. Be aware that the installation of certain Flaming River products may adversely impact a manufacturer's warranty with respect to certain vehicles and other manufactured goods. Flaming River will repair or replace any product found to be defective in material or workmanship. Improper installation, abuse, racing and/or modification VOID WARRANTY. Flaming River is not responsible for any labor costs associated with any warranty.

**NOTE:** The information contained in this catalog is correct to the best of our knowledge and belief, having been compiled from reliable and official sources of information. However, Flaming River Industries, Inc. cannot assume responsibility for possible error.



**YOUR  
CHOICE**



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(800) 648-8022 - (440) 826-4488

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