



FLOODSTOP®

Preferred by the pros.

12 VOLT BATTERY BACKUP SYSTEM

INSTRUCTION AND OPERATING MANUAL



MODEL MLFS22101
MODEL MLFS22103

The FloodStop® System requires a 12V Deep Cycle Battery (not included), 40 amp/hr minimum, 75 amp/hr or higher recommended. SLA/AGM Battery strongly recommended.

IMPORTANT!

READ ALL INSTRUCTIONS CONTAINED IN THIS MANUAL
BEFORE USING THIS PRODUCT.

Save these instructions for future reference. Failure to read and follow the warnings and instructions within this instruction manual could result in property damage, serious injury or death.



GENERAL INFORMATION

The FloodStop® 12 Volt Battery Backup System is designed to automatically remove water from a sump pit during a power outage or if the primary sump pump fails to operate properly. It is not intended as a long term replacement for a primary sump pump. This unit must be installed with a working primary sump pump. This complete kit includes a high performance DC sump pump, solid state system controller, float sensor and battery case.

SAFETY INFORMATION

Please review and follow the safety information listed below.

WARNING

RISK OF ELECTRIC SHOCK. TO REDUCE THIS RISK, OBSERVE THE FOLLOWING WARNINGS:

- To reduce the risk of electrical shock, this pump must be properly grounded in accordance with the National Electric Code (NEC) and all applicable state and local codes and ordinances. The receptacle should be protected with a Ground Fault Circuit Interrupter (GFCI).
- To reduce the risk of electrical shock, always disconnect the pump from the power source BEFORE handling or servicing.
- Never remove the ground prong from the plug, or use an adapter that eliminates the ground prong.
- Never plug this pump into an electric outlet while standing on a wet surface.
- Cable should be protected at all times to avoid punctures, cuts and abrasions that may result in exposed wiring. Never handle connected power cords with wet hands.
- This Submersible Sump Pump has not been investigated for use in or around swimming pools, marine areas, recreational water installations, decorative fountains or any installation where human contact with the pumped fluid is common.
- Do not use an extension cord. Extension cords could present a safety hazard if not properly sized, become damaged or the connection falls into the sump pit.

WARNING

RISK OF EXPLOSION. TO REDUCE THIS RISK, OBSERVE THE FOLLOWING WARNINGS:

- Do not use to pump flammable or explosive liquids such as gasoline, fuel oil, kerosene, etc.
- Do not use in a flammable or explosive atmosphere.

WARNING

NOT SUITED FOR POTABLE WATER APPLICATIONS.

- Do not use this pump to transfer water that will be used for potable (drinking) water. This pump is only to be used in applications for which it is designed.

WARNING

TO REDUCE THE RISK OF HAZARDS THAT CAN CAUSE INJURY OR PROPERTY DAMAGE, OBSERVE THE FOLLOWING WARNINGS:

- Do not block or restrict discharge hose. Discharge hose may whip under pressure. It is strongly recommended to use rigid piping and fittings to secure the pump in the sump basin to reduce movement.
- Do not install the pump if it has been damaged in any way.
- For indoor use only.
- This pump is designed to pump ground water only. Do not drain washing machines or other appliances into the sump pit. This will void your warranty.
- Do not attempt to disassemble any part of the system. There are no user-serviceable parts or repair options.

SYSTEM OPERATION

The FloodStop® 12 Volt Battery Backup System is an automatic system and will automatically operate during a power outage or when the primary sump pump fails to operate. The System automatically maintains and recharges the battery.

The FloodStop® 12 Volt Battery Backup System performs a full system test every day. The system will cycle the backup pump and test the battery performance. If any issues are found during the self test, the appropriate alarm message will be displayed, and the audible alarm will be activated.

BATTERY INFORMATION

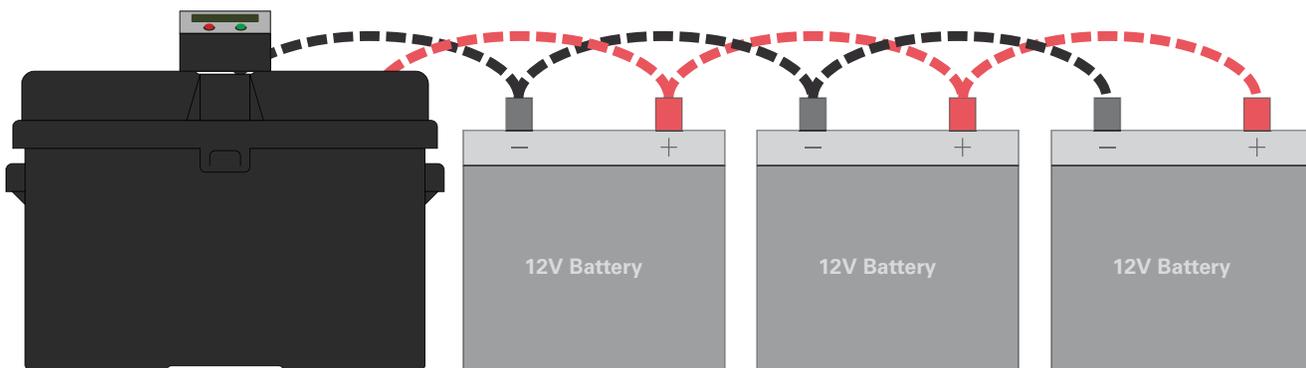
This system is designed to operate reliably with a 12V Deep Cycle Battery (not included). A FloodStop® Maintenance Free AGM Deep Cycle Battery is recommended. The use of wet-cell batteries is strongly discouraged. Automotive batteries are not suitable for this application and will result in system failure.

WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY:

- Wear safety glasses when connecting or disconnecting the battery.
- Keep sparks or flames away from the battery.
- Keep metal tools from contacting the battery posts and creating a short across the terminals. A short circuit may cause an explosion.
- Follow all instructions published by the battery manufacturer. Failure to do so may result in property damage, serious injury, or death.

Multiple 12VDC Deep Cycle Batteries may be connected in parallel.
A FloodStop® Maintenance Free AGM Deep Cycle Battery is recommended.



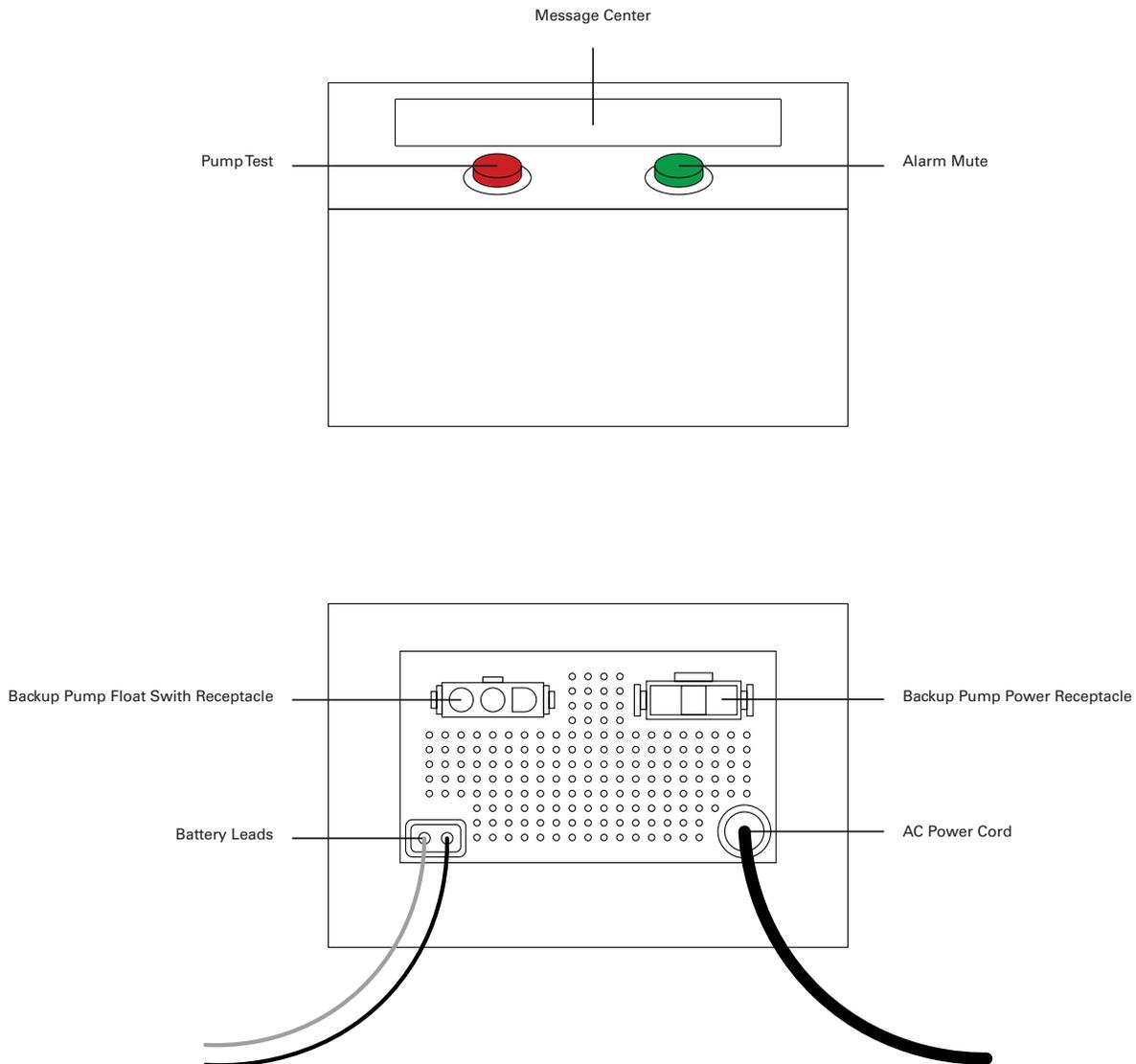
USING THE CONTROLLER BUTTONS

The FloodStop® 12 Volt Battery Backup System features two push buttons on the controller.

The PUMPTEST button activates the backup pump. The pump will continue to run as long as the button is pressed. Do not run the backup pump in a dry sump pit for extended periods.

The ALARM MUTE button will silence the audible alarm for 24 hours when pressed. It will also clear the alarm message from the LCD screen, so take note of the cause of the alarm. If the same alarm repeats during the 24 period, the audible alarm will not sound. If a different alarm is triggered during this period, the audible alarm will sound. Pressing the alarm mute button a second time will cancel the alarm mute.

To activate the system test, press and hold the ALARM MUTE button. This will activate the full system test sequence.



MESSAGES

The FloodStop® 12 Volt Battery Backup System displays **Informational** and **Alarm** messages on the Message Center.

Informational messages do not require immediate attention and do not sound an alarm. If more than one message is active, they rotate on the display.

INFORMATIONAL MESSAGES		
System OK	Displayed when no messages active or after alarm muted.	System working properly.
Pump Running	Displays when the pump is on, showing in seconds the length of time the pump is on.	System working properly.
AC Power Failure	Displayed if AC power is lost.	Check that the unit is plugged in. Check GFI/breaker for trip. Normal during power loss.

Alarm messages require your immediate attention and will sound the unit's audible alarm. If more than one alarm is active, they rotate on the display. Alarm messages take precedence over information messages, no informational messages are displayed when there is an active alarm.

ALARM MESSAGES		
Reverse Polarity	Battery Red/Black leads are connected backwards	Connect leads to correct terminals
PWR OK/Backup ON	Backup pump is on while AC power is present	Check primary sump pump for proper orientation. Replace pump if necessary.
CHECK PUMP	Backup pump active but no current draw is detected	Check that pump cord is firmly connected to controller jack. Call for service.
Batt Low Voltage	Battery voltage drops below 11.4 volts (50% discharged)	Check that Unit is plugged in. Check GFI/breaker for trip. Normal during extended power loss.
Batt Crit Voltage	Battery voltage drops below 11.4 volts (50% discharged)	Check that unit is plugged in. Check GFI/breaker for trip. Replace battery if power remains out.
Auto test Failed	System fault detected during system self-test. Alarm message will be displayed alternately	Correct the issue in the displayed alarm message
Excessive Runtime	Backup pump has run more than 50 seconds	Check that backup float sensor can move freely, not caught on wires. Normal during extremely heavy rains
Check Fuse / Batt	Blown fuse	Check that pump cord is firmly connected to controller jack. Call for service
Batt Not Detected	No battery is detected	Check Battery connections. Replace battery if necessary.

TERMS AND CONDITIONS OF SALE

Orders for this product are expressly made conditional on buyer's assent to company's terms and conditions of sale, which can be found by scanning the QR code below, or are available upon request by mail. Any terms and conditions in any of buyer's documents that are inconsistent with or add to seller's terms and conditions of sale are hereby rejected and are not binding upon company.



Installed by:

Model:

Date of Installation:

Serial Number:



MAINLINE

FLOODSTOP®

Preferred by the pros.



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Phone: 800-888-8312
Fax: 901-853-5008
www.ipscorp.com

Warranty

See warranty information for more details.

All dimensions listed are nominal. MAINLINE® reserves the right to make product and material changes at any time without notice.



Contact your sales representative for more information or visit our website at mainlinecollection.com



WARRANTY INFORMATION

Mainline products will be covered by IPS Diversified Products Group (“Seller”)’s limited warranty. It is as follows:

Warranty. For a period of one year from the date of shipment**, and provided payments for the products have been made by Buyer to Seller, Seller warrants to Buyer that its products: (i) substantially conform to Seller’s published specifications and (ii) are free from defects in material or workmanship. Product performance is limited by the capability of the structure and/or system it is installed in. If a warranted product fails to conform to these warranties, Buyer must promptly notify Seller in writing. For a valid warranty claim, Seller will, at its discretion and at no product charge to the Buyer: (i) repair the product; (ii) replace the product; or (iii) offer a full refund of that portion of the purchase price allocable to the non-conforming product. Warranty repair or replacement by Seller will not extend or renew the applicable warranty period. Buyer will obtain Seller's agreement on the specifications of any tests it plans to conduct to determine whether a product non-conformance exists. Buyer will bear the costs of access for Seller's remedial warranty efforts (including removal and replacement of systems, structures or other parts of Buyer's facility), de-installation, decontamination and re-installation. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. This warranty allocates the risks of product failure between Seller and Buyer. This allocation is recognized by both parties and is reflected in the price of the products. Buyer acknowledges that it has read this warranty, understands it, and agrees to and is bound by its terms.

**The products listed below have different warranty periods. All other terms of the Limited Warranty set forth herein apply to these products, just the duration of the warranty is different. Duration of the warranty begins at date of shipment.

Studor Products: 3 years

Water-Tite Roofing Products: Life of the current roof system

Roof Top Blox: 20 years

Test-Tite Pneumatics: 2.5 years

AB&A: 6 months

FloodStop Pumps and Smart Accessories: 3 years

What is Not Covered by Warranty. No representative of Seller has authority to waive, alter, vary or add to the scope of the warranty without prior written approval of an officer of Seller. Seller’s warranty does not apply to: (i) products impacted by adverse water conditions, extreme weather or temperatures, or other natural conditions; (ii) improper or unauthorized repair, installation or maintenance of the products by a party other than Seller; (iii) use for purposes or under conditions other than those for which designed, or other abuse, negligence, misuse, unauthorized access, or normal wear and tear; (iv) unauthorized attachments, modifications or disassembly; (v) damage during shipping; or (vi) products purchased from unauthorized distributors, resellers or internet sites. Buyer’s care in selection, adequate testing at time of installation and proper installation, operation and maintenance of all products is required for adequate performance.





Limitations of Liability. NOTWITHSTANDING ANY PROVISION OF THIS CONTRACT OR THE LAW, IT IS EXPRESSLY AGREED THAT SELLER'S TOTAL LIABILITY FOR ANY DAMAGES, COSTS OR EXPENSES ARISING OUT OF OR RELATED TO THIS CONTRACT OR ITS PRODUCTS, WHETHER BASED IN CONTRACT, WARRANTY, INDEMNITY, TORT/EXTRA-CONTRACTUAL LIABILITY (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT, AS APPLICABLE, OR, AT SELLER'S OPTION, A RETURN OF AN AMOUNT THAT WILL NOT EXCEED THE PURCHASE PRICE. UNDER NO CIRCUMSTANCES WILL SELLER, ITS OFFICERS, DIRECTORS, EMPLOYEES OR ASSIGNS BE LIABLE FOR ANY OTHER REMEDY, LOSS, COST, DAMAGE OR EXPENSE WHETHER DIRECT OR INDIRECT. IN NO EVENT WHATSOEVER WILL SELLER BE LIABLE FOR ANY CONSEQUENTIAL, LIQUIDATED, EXEMPLARY OR PUNITIVE DAMAGES, INCLUDING BUT NOT LIMITED TO, LOSS OF USE, INCOME, PROFIT, OR PRODUCTION; INCREASED COST OF OPERATION; SPOILAGE OR DAMAGE TO MATERIAL OR DATA; OR CHANGE OUT COSTS. BUYER WILL INDEMNIFY, DEFEND AND HOLD SELLER HARMLESS FROM ANY LOSS, COST, EXPENSE, DAMAGE, OR CAUSE OF ACTION TO OR BY A THIRD PARTY THAT EXCEEDS THESE LIMITATIONS OF LIABILITY.

**Effective July 1, 2023, due to an update in California law, the start date for product warranties will now be aligned with the date of delivery of the product. This change is for all Mainline products purchased on or after July 1, 2023 by California consumers. (California Legislative Information AB-2912)*

