

RATINGS

Voltage:	100-130 VAC
Max. Current:	15-Amps Peak Run Current
Locked Rotor:	40-Amps
Starting Current:	40-Amps
Battery:	9-Volt Alkaline
Alarm:	80db @ 1m Alternating
Run Timer:	2-60 Seconds
Patent:	6,820,483 others pending
Dimensions:	4.2 x 2.3 x 1.5 inches case size
Weight:	8.1-oz
Sensing Wire:	20 gage stranded copper, .062"-dia supplied
Sensing Length:	10-ft supplied, up to 1,000-ft may be added
Enclosure:	Dust proof, Flame Retardant ABS, UL94V0

Limited Warranty

One year from the date of purchase MIC will repair or replace any units found upon examination to be defective in materials or workmanship. Transportation charges to MIC will be paid by the customer. Ground transportation from MIC to the customer, of units found to be defective in materials or workmanship, will be paid for by MIC. This warranty does not cover units that have been damaged as a result of accident, abuse, neglect, improper installation, or exceeding the units rating. If the unit is dropped into water, is wet, or contains water damage this warrantee does not cover its replacement.

Any and all indirect, consequential damages, property loss, or loss of income are excluded. To exercise this warranty you must send a copy of the receipt along with the unit to;

Mechanical Ingenuity Corp
61 Riordan Place
Shrewsbury, NJ 07702
732-842-8889

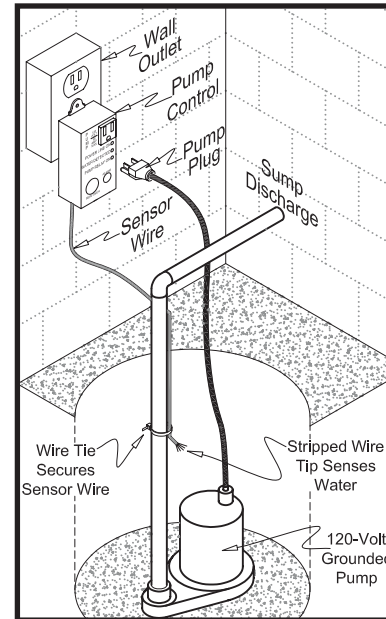
ELECTRONIC SUMP PUMP CONTROL & ALARM

OPERATION

The Floodfree control uses patented electronic surface transfer (EST) to detect the presence of water. Sensing is not affected by oil, soaps, turbulence or the waters resistance and is intrinsically safe.

When water touches the tip of Floodfree's sensing wire, a relay closes turning on your pump. Patent pending Zcross technology closes the relay contact at zero volts and opens it at zero current. This stops relay arcing, extending relay life, stopping power-line flicker, and making pump startups smoother.

A settable "Run Timer" allows you to change the pumping depth without opening the sump pump pit. This timer allows any quantity of water to be pumped out of the sump and can even pump it completely dry without running the pump too long.



If the water level does not fall below the tip of the wire while the pump is running an alarm sounds indicating a pump failure or clogged discharge line. Two lights alternately flash, warning you of a problem before your basement floods. A standard 9-volt battery operates the alarm during a loss of power at the wall outlet. The battery maintains the sensor and alarm for two days without power. Circuitry maintains the battery voltage extending its shelf life to 7-years.

Use Floodfree to convert your manual pump to automatic or to replace a defective float switch. Floodfree requires a grounded pump plug or, alternatively, a grounded connection to the sump. It will not apply 120-volts to the pump motor without proper grounding.

Instructions

- 1) Plug Floodfree into a 120-volt wall outlet.
- 2) Insert the battery jumper.
- 3) Plug grounded pump into Floodfree outlet
- 4) Run the sensor wire to the sump and fasten using wire ties. Its tip should be at the level where you want the pump to begin operating.



Insert the battery jumper

