Triumph 3

HEAVY DUTY TRIPLE PUMP SYSTEM

The Triumph 3 is the most advanced and powerful sump system on the market. Using 3 individual pumps the system is capable of pumping over 14,600 gallons per hour at a 10'ft height.

The Triumph 3 uses a ½ HP heavy duty stainless steel AC/DC backup pump and two stainless steel ¾ HP AC primary pumps. The primary AC pumps will alternate in use, as they are needed or work simultaneously with the backup to protect against heavy water intake. A programmed timer will exercise the primary pumps automatically ensuring that they are operable for the next use.

The Triumph system is equipped with three of our reliable non-mechanical sensor tubes that are staged at different levels to meet individual pit depth and water intake requirements. A secondary high water alarm, battery monitor alarm, and backup pump alarm will alert property owners and/or a security system of an emergency.

Having three separate pumps with individual switches and battery backup power leaves very little room for flooding.

- **14,600 gallons total pumping capacity.**
- **3 layers of flood protection**
- **Alternating primary pump cycling**
- **Automatic primary pump testing**
- **4600 gallons per hour pumping capacity on battery backup**

SYSTEM SPECIFICATIONS:

- **TWO STAINLESS STEEL ¾ HP PRIMARY PUMPS**
- **STAINLESS STEEL BACKUP PUMP**
- **HEAVY DUTY 50 AMP POWER UNIT**
- **3 NON-MECHANICAL SENSOR TUBES**
- **DCRLS POWER RELAY WITH ALARM**
- **HIGH WATER ALARM**
- **TRIUMPH 3 PUMP CONTROLLER WITH ALTERNATOR**
- **12V HEAVY DUTY BATTERY**

Featuring: SPT SMART PUMP TECHNOLOGY

TO ORDER CALL

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05/01/07

COMPONENT FUNCTIONS

1. Timer programmed to exercise DC Pump automatically. Push timer front window for manual DC Pump On/Off Testing Pre-Set — To operate 1 Minute every 7th Day at 10:00 AM or as requested.

2. 1 AC Pump alternating relay select switch position red, L.E.D. lights when on indicate A or B position which pump will operate next time when required.

3. 2 AC Pump Relays 1 for each AC Pump to carry the motor current and green light on indicates which pump is in operation. Also has red lever for manual test run.

4. 2 AC Amp Meters 1 for each pump to indicate current draw and if pump is pumping under load.

5. Should 2nd Pump be required to operate as 1st pump can't handle incoming flow amp meter indicates current draw both green lites are on.

Underground Work by Others

DC PUMP SENSOR

1. Red Tube connects to 1 1/4" Sensor Tube suspended in pit at upper most height this will activate DCRLS controller, sounds operating horn & release memory flag, indicating pump operation has taken place.

AC PUMP SECONDARY SENSOR

1. Yellow Tube also connects to 1 1/4" Sensor Tube suspended in pit midway between red sensor tube and green sensor tube and when water is approximately 2 1/2" above yellow sensor tube activates 2nd AC Pump when lit AC Pump is in operation and is not able to handle incoming flow doubling pumping capacity output.

AC PUMP SENSOR PRIMARY

1. Green Tube also connects to 1 1/4" Sensor Tube and is the lowest tube suspended into pit and acts as the main operational to control Pump A or B and alternates cycle of Pump A and B, providing alternate switch is set in the middle alternate position.

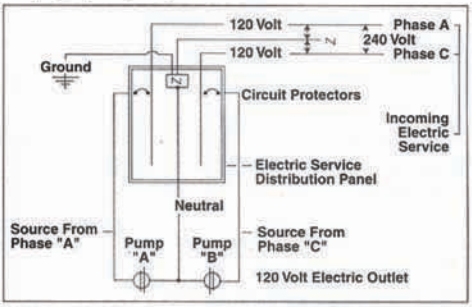
2. Manual Control Voltage Source Selector Toggle Switch: Normal up position is for "A" phase source, down position is for "C" phase source. Normal "Power On" 2 red neon indicator lites luminated upper one for "A" phase circuit lower one for "C" phase circuit source, both lights should always be on. Should partial power failure occur 1 red neon lite may be off change selector switch to down position if upper lite is off or vice versa.

CAUTION: 208V or 240V is present at contacts of selector switch for two circuit control panel only.

3. It is highly recommended that the 2 circuit power source be derived one circuit from Phase A and the other from Phase C providing additional protection when partial power failure should occur.

4. Control panel contains 3 air pressure control switches remote from water immersion and damage plus avoiding linkage foul up and failures.

5. DMP automatic 50 A controller 13.8 V. optimum output see 16 page booklet page 4 for MSPABM and MSPDBM power units.



Correct wiring when using (2) 120 Volt sump pumps. Each sump pump has it's own independent electrical circuit. In event a partial power failure occurs, pump "A" or "B" will continue to operate. (Wiring by others)

Quote Date ___/___/___ Material $_____ Labor_____ Total $_____

Accepted By_____ Date ___/___/___

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"POWER-FULL®" PUMP ALARM SYSTEM MFG. CO.

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