

AQUA LEVEL GUARD

Advanced Automatic "A1 WATER LEVEL CONTROLLER" System Manufactured by M.V. Instruments is a Microprocessor based/Electronic Device, which when electrically connected to your Pumpset, performs the following functions Automatically:

- ▶ Switches ON the Pumpset when Water level drops below pre-set level in Overhead Tank.
- ▶ Switches OFF the Pumpset when Overhead Tank is full.
- ▶ Switches OFF the Pumpset when Water level is low in Sump or Well.
- ▶ Switches ON the Pumpset when sufficient water is available in the Sump or Well.
- ▶ Switches OFF the Pumpset when there is a Priming Fault (i.e. when Water is not being pumped into Overhead Tank due to any reason).
- ▶ Low and High Voltage Protection for the Pumpset is incorporated.
- ▶ Surge Voltage Protection for the Pumpset.
- ▶ All these functions are automatically performed. Manual interference is absolutely not required.
- ▶ The system has provision to operate the Pumpset Manually if required.

PPC MODEL



GRAPHICS MODEL



ECONOMY MODEL



SAVE WATER, SAVE POWER & SAVE MONEY

Office : 25702673, Mobile : 9845379491, 9845225674

COMPANY PROFILE

We take this opportunity to introduce our company M.V. INSTRUMENTS as quality **"WATER LEVEL CONTROLLER"** and also level controllers for any type of liquid or viscous mass. We are in this field for the past **THIRTY YEARS** and have developed this system from its infancy stage, eliminating its drawbacks and defects at every step. Through intensive research, we have a Water Level Controlling system, wherein, technically speaking there are no defects or drawbacks whatsoever. Also, we are offering an extended **GUARANTEE OF FIVE YEARS** on particular models.

Over the years, we have built up a clientele, which is a reflection of our commitment to Quality and Service. Reputed names like Indian Institute of Engineers, Indian Institute of Science, Indian Air Force, INFOSYS, WIPRO, Satyam Computers, BPL, AMCO Batteries, Kirloskar, BHEL, Hindustan Motors, Power Grid Corporation of India, Hindustan Power Plus, Hindustan Lever, HAL, Food Corporation of India, Itina Builders, Siemens Ltd., Concorde Shelters, Kristal Developers, MECA Engineers Projects, L&T Projects, Oceanus Dwellers Projects, Total Environment Projects, Mfar Constructions, International Schools, APW President, K. Mohan & Companies, Stump, Schuele & Somappa Companies, TATA BP Solar, DAN Constructions, Monday to Sunday, Kurlon, D - Link, Himalaya Drug Co., American Power Corporation, Boruka Gas, Prax Air, SKF, Yokogawa Blue Star, Remedix Pharma, International Technology Park (Whitefield), ABB, NAL, Tata Consulting Engineers, Reserve Bank of India, Sonata Software, CPWD, Bangalore City Institute, Khodey's Breweries, Pavana Hotel, Wilson Manor Apt., Indusila Pvt. Ltd., ISKCON, TATA ELXSI, Waters (India) Pvt. Ltd., Jagadale Industries Ltd., RMC Readymix, The Frank Antony Public School, Sterling Properties, Vydehi Institute, The Arvind Mills, Mallya Hospital, St. Martha's Hospital, Narayana Hrudayalaya Hospital, WOCKHARDT, KIMS, BMS College, VET College, Reckitt & Coleman, Zodiac Clothing, CMTI, KMF, Bharath Electronics Ltd., Bayer's Coffee, Adarsha Developers, Prestige Group, Salarpuria Builders, Shankaranarayana Builders, Gopalan Builders, Alpine Builders, HMG Builders, Big Bazaar, St. Marks Hotel, Hotel Leela Palace, Le Meridian Hotel, Oberoi Hotel, Jwalamukhi Press, IBP petrol Pumps, Kumar Organics, New Horizon Schools & Colleges, Kanva Diagnostic Center, Deccan Herald, Jeevan Diesel, International Ashram, For LIC Flats in JP Nagar are but a few of our satisfied customers.

Our installations in Bangalore itself number over 25,000 in the Domestic, Commercial and Industrial Sectors. We are proud to state that no other company has this special maintenance free A.C. Sensory System and the Unit is designed and developed to meet high reliability standards. We assure you that no maintenance will be required for the AQUA LEVEL GUARD with PPC-Water Level Controller Unit and Sensors. That is why we have the confidence to provide Five Years Guarantee on the Unit and the Sensors. We believe that purchasing and installing our Water Level Controller should be a one-time investment. We hope this presentation will go a long way in convincing you about the reliability of our product. We look forward to a more meaningful association.

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THE PUMPSET PROTECTION CIRCUITRY (PPC)

This is a special circuitry incorporated to safeguard your Pumpset against Burnout, covering virtually all eventualities.

- ✓ The PPC & AC Models comes with absolutely Non-corrosive and maintenance free A.C. Sensing Technology. Thus Sensor Corrosion is eliminated ensuring trouble free operations without maintenance.
- ✓ Precise & Instantaneous cut-off when Voltage is too low. Low voltage is the primary cause for Pumpset Burning
- ✓ Automatic Re-set of the System at healthy Voltage.
- ✓ Time Delay Switching Action to prevent damage to Pumpset due to initial Surge Current / Voltage.
- ✓ Unit protection against High and Low voltages.
- ✓ Protection of Pumpset from Priming faults (Dry Run).
- ✓ Airlock, Bearing Jam and leaking Foot valve detection and Pumpset switch off.
- ✓ Suitable for any Industrial Panels & Systems.
- ✓ Multi Relay System to include the existing Single Phasing Preventer & Overload Protector in the Circuit.
- ✓ Total Compatibility with Start-Run capacitor Starter & Electronic Starters for Single Phase Borewell Pumps.
- ✓ Continuous indication of water Pumping Status to the tank.
- ✓ All PPC Models carry Unconditional Five Years Guarantee.
- ✓ Provision to upgrade to Multi-Tank/Sump Controlling systems at extra cost.
- ✓ Models available for Multi-Motor Controlling System, that is, automatic changeover from sump motor to Borewell motor when sump is dry.
- ✓ We at M.V. Instruments are the Pioneers to incorporate these features into one single Special Model.

The A1 Water Level Controller can be installed for BWSSB / Corporation water Borewell Water, Well Water, Hot Water, Sewage Water, Storm Water, Waste water, De-Mineralised Water, etc.

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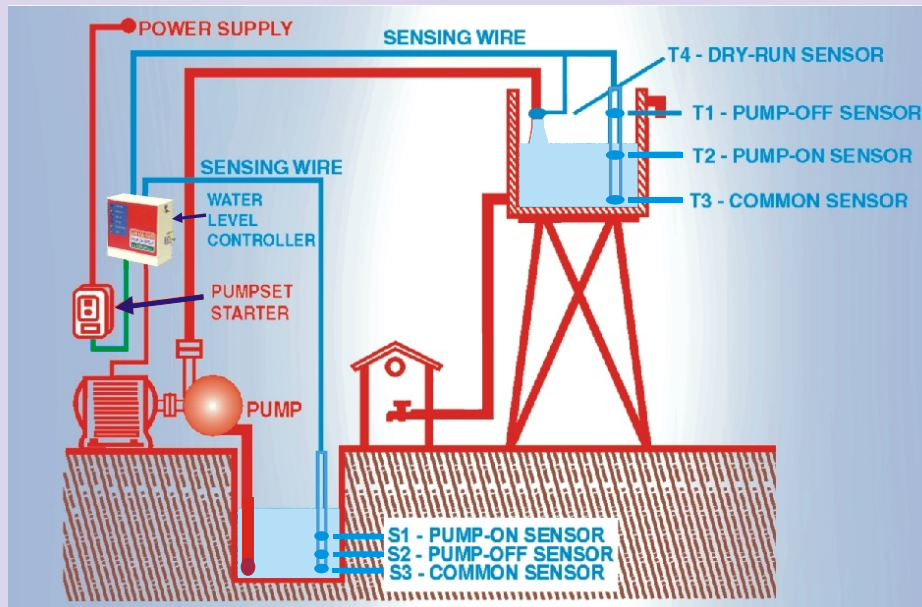
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TECHNICAL DETAILS:

Input Voltage	:	230V AC / 440V AC.
System Operating Voltage	:	12V DC.
Sensing Voltage	:	1.5V AC.
Sensing Current	:	20 micro Amp.
Low Voltage Cut-Off	:	170V (Adjustable)
Auto Reset at	:	180V (Adjustable)
Contactor Rating	:	30A / 10A
Switch Rating	:	10A / 6A
Power Consumption	:	Absolutely Negligible.
Dimensions (L x B x H)	:	8 inch x 7 inch x 3.5 inch.
Visual Indications of all operations.		

Any further clarifications will be gladly provided. Customer list, Price list and Certificates available on request.

THE SYSTEM LAYOUT



Manufactured by:

M.V. INSTRUMENTS

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Our Other Products are:

Automatic Programmable School Bell, Electronic Security System, Security Acknowledgment System, Alarms, Timers, Industrial Process Control Instruments & Special Purpose Machines.

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