

APRICUS-aqua MOTORWATCHER

THE SOLUTION TO YOUR WATER & PUMP PROBLEMS

Why you should consider it...



- 1 Easy to install** and reduces nuisance tripping under bad electrical supply conditions.
- 2** Operating conditions and **diagnostics** you understand are visible on a simple display, giving you peace of mind.
- 3** Provides **hassle-free** pump wear and motor protection against electrical supply variations and varying pump requirements.
- 4 Warns** you before you experience any damage or loss of water supply or crop failure.
- 5 MotorWatcher** is suitable for all single and three phase borehole, surface and general water pumping applications, compatible with all borehole and other water pump controls
- 6 FIRST IN CLASS - SUITABLE FOR ALL MOTOR TYPES**
Enclosure provides mounting space for PSC motor RUN capacitor and CSIR motor START capacitor.



PN268450(v3)

The table below summarizes the technical specification of the **MOTORWATCHER**®. Models may differ with respect to timer characteristics, detailed voltage transition points and current levels.

Single Phase – 230V Split Phase Motor (PSC) or Motor With Internal Capacitor

Absolute Voltage Range	196V – 265V AC
Absolute Continuous Current	1A – 12A AC
Capacitor	Select for motor size – contact motor manufacturer
Enclosure	ABS 160x220x70mm
Weight	1 Kg
IP Rating	IP43

Single Phase – 230V CSIR Motor (Capacitor Start Induction Run)

Absolute Voltage Range	196V – 265V AC
Absolute Continuous Current	1A – 8A AC
Capacitor	Select for motor size – contact motor manufacturer
Capacitor Relay Active	below 165V AC
Enclosure	ABS 160x220x70mm
Weight	1Kg
IP Rating	IP43

Three Phase – 400V

Absolute Voltage Range	340V – 460V AC
Absolute Continuous Current	1A – 8A AC
Enclosure	ABS 160x220x70mm
Weight	1Kg
IP Rating	IP43

SPECIFICATIONS INCLUDE ALL MOTOR AND PUMP TYPES

EN 55032 / CISPR 32, EN 55032 / CISPR 32, SANS 60529



LATEST EXPERT INTELLIGENCE

Severe faults detected Severe faults are recognized and classified as conditions that make safe operation impossible, locking out operation.

Temporary holding or delay conditions extend operation Temporary holding or delay conditions due to transients to prevent nuisance tripping caused by transients are activated and causes soft delay, not visible to the user or operation.

Overload delay conditions Overload delay condition severity determines the reaction of the **MotorWatcher** in order not to compromise motor life.

Underload delay condition Underload delay condition invokes an intelligent waiting time determined for best operation to achieve maximum water delivery from a weak water source.



UNSPOKEN ADVANTAGES

Apart from all the features and benefits offered, there are some distinct advantages to using the **MotorWatcher** in your pumping installation/s.

Your decision to use **MotorWatcher** will result in considerable cost saving. Consider the advantages below before proceeding with your installation to avoid unnecessary additional expenses:

MotorWatcher does not require additional switchgear such as an ON/OFF switch, phase failure relay, rapid cycle supply detection relay, connectors, enclosures etc. to provide reliable operation.

The convenient sliding lid design makes **easy mounting** and convenient access possible, yet provides a safe and secure installation.

Clear and directly visible status indication with simple pictorial explanation eliminates the need for having to refer to the manual, while making easy communication with a service technician or installer possible when necessary.



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