

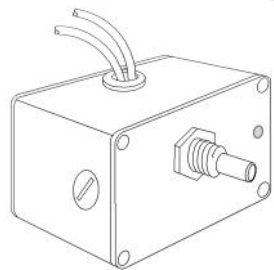
POWERFORM

CONTROLS

Motor Speed / Power Limiters, Controllers and VSD's for Fans & Pumps

Powerform's range of robust industrial duty single and three phase limiters, controller and drives can speed / power control a variety of single phase and three phase inductive and resistive loads.

- ⇒ PSC, squirrel cage and shaded pole motors where the load torque varies with speed such as fans, mixers and pumps.
- ⇒ Single phase – Simple convenient 2-wire and green energy efficient, quiet 3-wire control of PSC motors.
- ⇒ Universal (brush) motors irrespective of the type of load
- ⇒ Incandescent light dimming
- ⇒ Power control of heating elements.
- ⇒ Power control of transformers
- ⇒ BMS control of fans, pumps, lights & heating
- ⇒ Simple inexpensive 3 phase limiters / controllers
- ⇒ **NEW!** Special energy saving controllers for condenser fans.



Powerform has been making motor speed controllers for over 30 years specialising in well-engineered, robust products designed for the most demanding domestic as well as industrial applications. Customised products are manufactured for many Australian and overseas fan and HVAC OEM's. Powerform are also small run specialist electronic designers and manufacturers of timers, power control and medical devices.

Powerform products are proudly designed & manufactured in Australia. Built for long service life, carry a 12/18 month warranty, use high grade componentry and are hand soldered and individually QC tested. Powerform and the OEM's we work with have an on-going commitment to pragmatic design criteria, rigorous quality control and continuous research & development. All Powerform power controllers comply with stringent electromagnetic interference requirements of AS/NZS CISPR 14.1:2003. ACA CTick compliance no. N13956. All Powerform products are ROHS and WEEE compliant.

Powerform Controls

PO Box 445, St Leonards, NSW 1590, Australia.
Phone: (02) 9460-8881 Fax: (02) 9460-8819
Email: sales@powerform.com.au
Website: www.powerform.com.au



LIMITERS

Screwdriver pre-set adjustment. Ideal for 'set and forget' limiting the output of fans, pumps and lighting. Can also be used to enable a simple user switch selectable 2 speed / power "hi – low" facility with the lower level fully preset adjustable. Can also be low current remote controlled.

MSL 600 600 VA 2.5A

Wire lead-outs. Fully enclosed extruded aluminium enclosure with mounting foot 65x45x38mm

MSL 1200 1200 VA 5A

Wire lead-outs. Fully enclosed extruded aluminium enclosure with mounting foot 65x41x38mm

NEW! MSL1200REM Remote 24/240 VAC actuated ideal for energy saving in refrigeration condenser fans & HVACR fan coil units.

MSR 2000 2000 VA 8A

Internal terminal lead-outs. Sturdy extruded aluminium enclosure free standing mounted 113x74x65mm

MSR 2400 2400 VA 10A

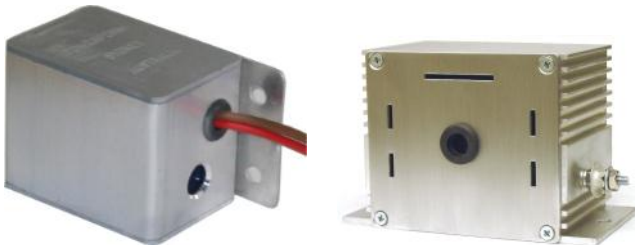
Internal terminal lead-out. Sturdy extruded aluminium enclosure flat mounted 113x74x65mm

Special High Power and Three Phase Versions

1Ø up to 30 amps 7200 VA. New 3Ø -1.2/3.7 kw (3/7.2 KVA)

Remote Control Adapter – RC10

Turns 1Ø MSR series limiters into speed/power controllers using a separate small footprint remote control unit that can be panel mounted or clipped into a Clipsal/HPM wall plate for surface or flush mounting.



CONTROLLERS

Knob adjustable where the user has easy access to the control function over a wide range of speed or power. Independent minimum preset adjustment enables specific narrow or broad range pre-setting.

MSC 600 600VA 2.5A

Wire lead-outs. Fully enclosed extruded aluminium enclosure 52x37x42mm. Panel mount via single nut fixing or clip in mount to HPM / Clipsal wall plates.

MSC1200 1200VA 5A

Wire lead-outs. Fully enclosed extruded aluminium enclosure 52x37x42mm. Panel mount via single nut fixing or clip in mount to HPM / Clipsal / PDL wall plates.

MSC 2000 / 2400 2000VA 8A / 2400 10A

Internal terminal lead-out. Fully enclosed extruded finned aluminium enclosure for panel mount, free standing via integral mounting feet or double wall plate mount.

Wide range of options

- * Wall plate versions flush or surface (block) mount with plain or neon switch mechanisms.
- * New! - switch integral with rotary knob.
- * New! - novel 'no neutral required' integral LED ON indicator for panel mount or wall plates.
- * IP56 flush mount with 2 switch mechs using PDL plate
- * IP56 commercial duty surface mount enclosure
- * High power versions up to 7200VA 30A
- * Add a run-on or long delay timer – see timer brochure



VSD / REMOTE POWER DRIVES

BMS / instrumentation control using industry standard 0–10 VDC, 0–20ma or potentiometer.

- ⇒ Building management systems
- ⇒ Proportional control via fully isolated control signals
- ⇒ Simultaneous remote control of multiple drives

RC103 600VA 2.5A – cut-down small footprint 2-wire

RC105 1200VA 5A – 2 or 3-wire – fully optioned

RC108 2000VA 8A – 2 or 3-wire – fully optioned

RC110 2400VA 10A – 2 or 3-wire – fully optioned

RC115 3600VA 15A – 2 or 3-wire – fully optioned

RC120 4800VA 20A – 2 or 3-wire – fully optioned

- * Fully isolated - double insulation and opto-coupling.
- * Integral EMC filter + surge and overload protection
- * Dual output – separate main and auxiliary
- * Convenient 2-wire & efficient 3-wire PSC motor control
- * Multiple and dissimilar loads
- * Auto switch-off at signals <8%
- * Auxiliary 10 V power supply for external modules.
- * Internal presets for setting max, min / range calibration
- * Internal testing potentiometer for easy field set-up
- * Internal screw terminal 30A connectors.
- * Rugged extruded finned aluminium enclosure.
- * IP65 and Switchboard friendly enclosure versions
- * Custom interfaces for temp, pressure, airflow etc.
- * LED indicator and high power up to 7200VA versions

