

COMPACT DIGITAL PUMP LOAD CONTROL MODEL PMP-25

WHAT ARE YOU
DOING TO PROTECT
YOUR PUMPS?

PROTECT AGAINST

- Dry Running
- Overload
- Cavitation
- Bearing Failure



PUMP LOAD CONTROLS MONITOR TRUE MOTOR POWER FOR CENTRIFUGAL AND POSITIVE DISPLACEMENT PUMPS

DETECT LOSS OF LOAD

- Dry Running
- No Prime
- Cavitation
- Broken Impeller

DETECT OVERLOAD

- Jammed Impeller
- Bad Bearings

COMPACT DIGITAL PUMP LOAD CONTROL MODEL PMP-25




LISTED
IND.CONT.EQ.
6D77



TRUE POWER LOAD DISPLAY

Versatile - Can Display

- % of Full Load
- Horsepower
- Kilowatts

EASY FRONT PANEL SETUP

- See all your settings with a touch of a button
- Tamper Proof Option - Rear switch disables "ENTER" button

RUGGED ENCLOSURE

Designed to fit in many places

- On Starter Door
- On Raceway
- Panel Mount - With Bezel Kit
- On Wall - With Standard Outlet Box Kit

COMPACT

Only 3 1/4" X 6 1/4" X 2"

4-20 MILLIAMP

ANALOG OUTPUT

Send load information to

- SCADA, PLC
- Chart Recorders
- Network, Cloud

2 ADJUSTABLE SET POINTS

Low Trip - When load is below the Low Trip, the built-in relay will trip.

- Dry Running
- Loss of Prime
- Plugged or Closed Inlet or Outlet

High Trip - When load is above the High-Trip, the built-in relay will trip.

- Jammed Impeller
- Bearing Failure

FILTER OUT NUISANCE TRIPS

- Adjustable Digital On-Delay Timers - Trip won't activate until the selected delay time is exceeded
- Adjustable Digital Start-up Timer - No false trips while motor is starting or stopping

3 WAYS TO RESET

Local - Button on Control

Remote - With Low Current Switch or Relay

Automatic - With Jumper

- **Latching Relays** - You choose when to reset
- **2-Form C Relays** - Give you both Normally Open and Normally Closed Contacts

Model PMP-25

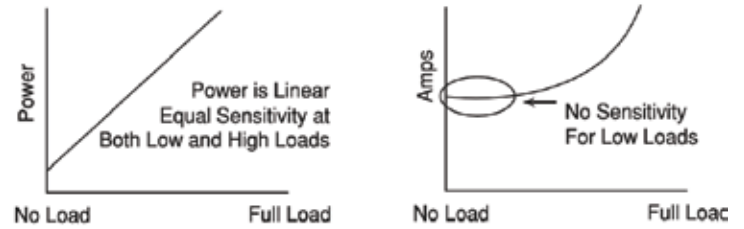
- Range Finder Toroid for Motors Up To 50HP Included
- Additional Current Transformers for Motors Larger than 50HP Available
- Tamper Proof Option Available
- Specify Bezel Kit for Panel Mount
- Specify Outlet Box Kit for Wall Mount

Call 888-600-3247 or email sales@loadcontrols.com for quote or order online at www.loadcontrols.com

MONITORING PUMP HORSEPOWER TELLS YOU WHAT'S HAPPENING TO THE FLUID



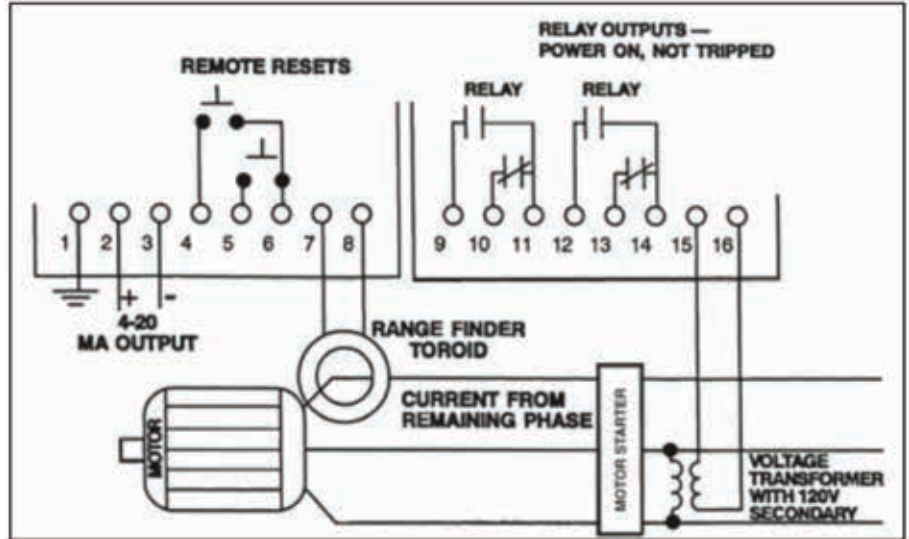
WHY MONITOR POWER INSTEAD OF JUST AMPS?



TYPICAL CONNECTIONS

PMP-25 HOOK-UP

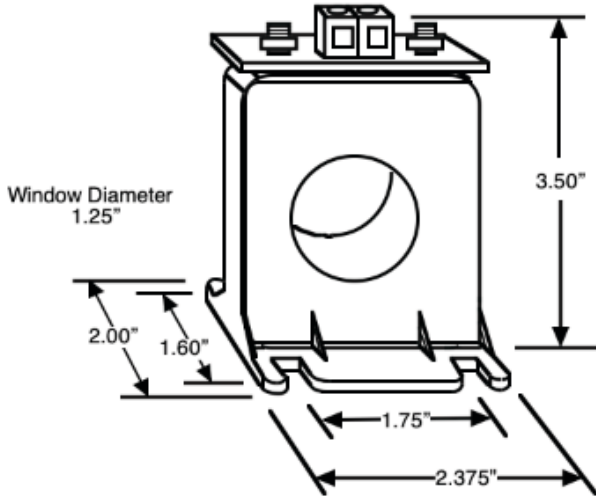
Complete installation information available at loadcontrols.com



SPECIFICATIONS

Enclosure	Glass-filled Polycarbonate (3 1/4" x 6 1/4" x 2") (83mm x 160mm x 54mm)	Timers	<ul style="list-style-type: none"> Start Up - 0-999 sec. (16.7 min.) adjustable Low Trip Delay - 0-999 sec. (16.7 min.) adjustable High Trip Delay - 0-999 sec. (16.7 min.) adjustable
Mounting Options	<ul style="list-style-type: none"> On door Panel mount with Bezel Kit* On wall with Outlet Box Kit* <p>*Specify when ordering</p>	Relay Outputs	(2) Form C 3 AMP @ 300 VAC or 1/8 HP @ 240 VAC Latch when tripped
Wiring	Unpluggable Terminal Strips on Rear	Analog Outputs	<ul style="list-style-type: none"> 4-20MA powered by the Control 500 OHM maximum connected impedance
Load Display	.4" LED 3 Digit	Response Time	500 Milliseconds
Capacity	<ul style="list-style-type: none"> To 50 HP directly through Toroid To 500 HP with external Current Transformer & Toroid Change capacity with dip switches 	Temperature	0°C - 55°C
Safety	<ul style="list-style-type: none"> FMEDA report available from Load Controls SIL2 capable for 4-20mA outputs SIL1 capable for relay outputs UL/CSA Certified CE Certified 	Power Consumption	<ul style="list-style-type: none"> 10 VA 60 Hz standard 50 Hz available as an option

UNIQUE RANGE FINDER TOROID



MAKES INSTALLATION EASY

- The same control can be scaled for capacities from fractional up to 50HP
- Included with PMP-25
- Use Optional Current Transformers for 50 HP to over 500 HP

VARIABLE FREQUENCY POWER

MEASURING POWER ON THE OUTPUT OF A VARIABLE FREQUENCY DRIVE IS MORE ACCURATE THAN USING THE POWER OUTPUT OF THE VFD FOR CHANGING LOAD CONDITIONS



- Voltage and Current Transformers do not work at low frequencies
- The waveform on both the input and output of a drive is distorted

The Universal Power Cell uses the Hall Effect sensors that are not affected by odd waveshapes or frequencies. Also, no Voltage or Current Transformers are used.

The PMP-25V Pump Load Control takes the 0-10 volt load signal from the UPC, displays the Pump Load, and has the Set Points, Times, and Relay & Analog Outputs.

The UPC is field scalable to match your pump motor.

Complete information at loadcontrols.com.

