

# COMPACT DIGITAL PUMP LOAD CONTROL MODEL PMP-25



## WHAT ARE YOU DOING TO PROTECT YOUR PUMP?

### PROTECT AGAINST

- Dry Running
- Cavitation
- Overload
- Bearing Failure



## UNIQUE RANGE FINDER TOROID

### MAKES INSTALLATION EASY

- One Sensor For Capacities From Fractional up to 50HP
- Use Optional Current Transformers for Big Motors

# PUMP LOAD CONTROLS MONITOR TRUE MOTOR POWER

## DETECT LOSS OF LOAD

- Dry Running
- No Prime
- Cavitation

## DETECT OVERLOAD

- Jammed Impeller
- Bad Bearings

## COMPACT DIGITAL PUMP LOAD CONTROL MODEL PMP-25



### TRUE POWER LOAD DISPLAY

Versatile - Can Display

- % of Full Load
- Horsepower
- Kilowatts

### EASY FRONT PANEL SETUP

- See all of your settings with a touch of a button
- Optional Lockout Switch - Rear switch disables "ENTER" button

### RUGGED ENCLOSURE

Designed to fit in many places

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

### 4-20 MILLIAMPER ANALOG OUTPUT

Send load information to

- Computers
  - Chart Recorders
  - Data Loggers

### 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 the 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

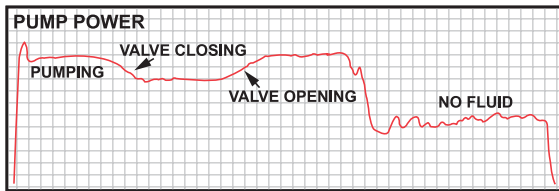
### COMPACT

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

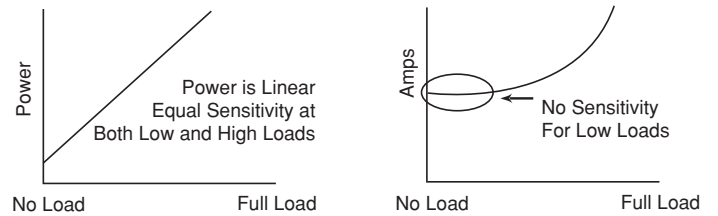
## OPTIONS:

- \* Add Current Transformer for Motors Larger than 50 HP
- \* Optional Lockout Switch
- \* Specify Bezel Kit for Panel Mount
- \* Specify Outlet Box Kit for Wall Mount

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



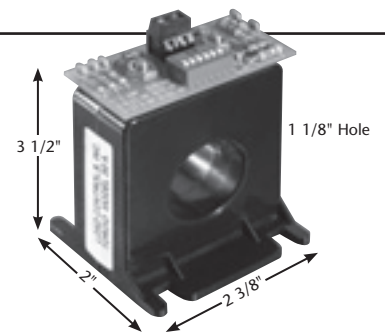
## WHY MONITOR POWER INSTEAD OF JUST AMPS?



## SPECIFICATIONS

<b>Enclosure</b>	Glass-filled Polycarbonate (3 1/4" x 6 1/4" x 2") (83mm x 160mm x 54mm)	<b>Timers</b>	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
<b>Mounting Options</b>	On door Panel mount with Bezel Kit* On wall with Outlet Box Kit* *Specify when ordering	<b>Relay Outputs</b>	(2) Form C 3 AMP @ 300 VAC or 1/8 HP @ 240 VAC Latch when tripped
<b>Wiring</b>	Unpluggable Terminal Strips on Rear	<b>Analog Outputs</b>	4-20MA powered by the Control, 500 OHM maximum connected impedance
<b>Load Display</b>	.4" LED 3 Digit	<b>Response Time</b>	500 Milliseconds
<b>Capacity</b>	To 50 HP directly through Toroid To 500 HP with external Current Transformer & Toroid Change capacity with dip switches	<b>Temperature</b>	0° C - 55° C
		<b>Power Consumption</b>	10 VA

### RANGE FINDER TOROID



## CHECK AVAILABILITY

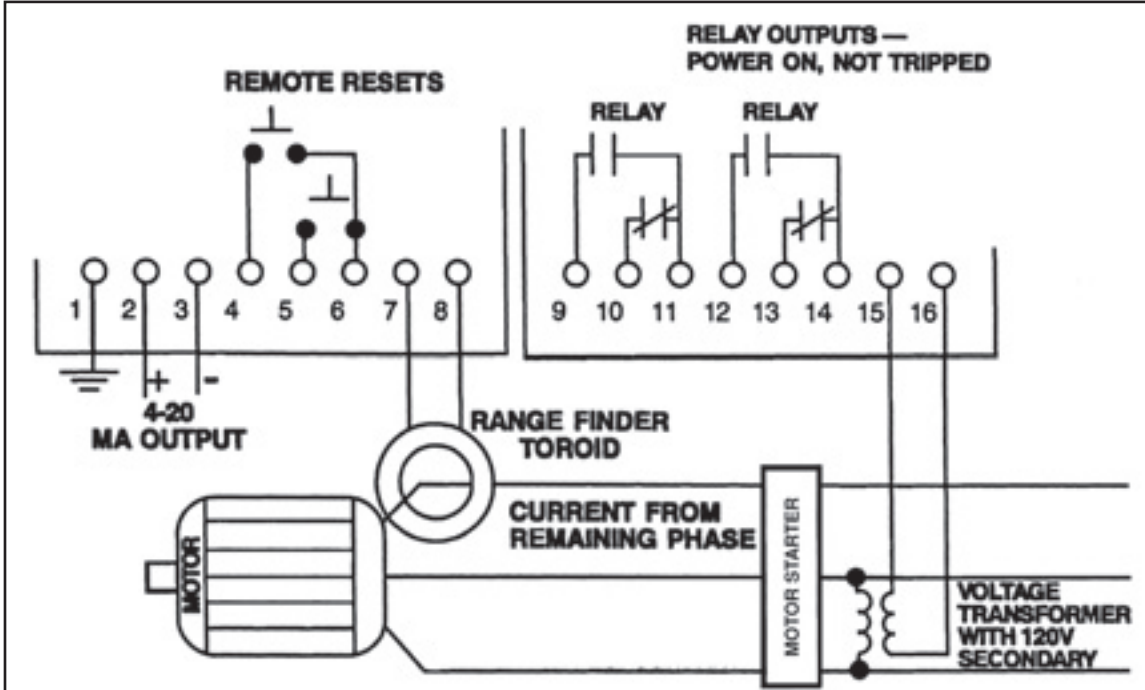
### PUMP LOAD CONTROL MODEL PMP-1701

- Large Bright LED Load Display
- Rugged Design
- 2 Adjustable Set Points
- 4-20MA Output
- Trip Delay and Start-Up Delay Timers



# TYPICAL CONNECTIONS

PMP-25 HOOK-UP



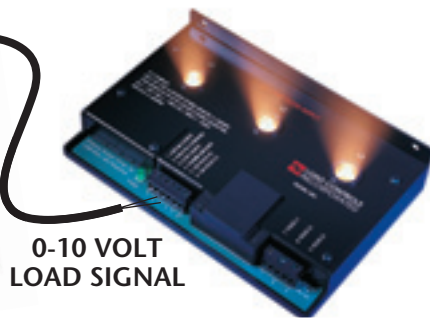
## VARIABLE FREQUENCY POWER

MEASURING POWER ON THE OUTPUT OF A VARIABLE FREQUENCY DRIVE IS A SPECIAL CASE

MODEL PMP-25V



MODEL UPC



- 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 Hall Effect sensors that are not affected by odd waveshapes or frequencies. Also, no Voltage or Current Transformers are used.

The UPC is field scalable to match your pump motor. Complete information at [loadcontrols.com](http://loadcontrols.com).

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, Timers and Relay and Analog Outputs.