VYDAS
INTERNATIONAL MARKETING
Specialist Sensors & Instruments for Industry

NEW!

Fast Response Compact Digital Load Controls

LOAD CONTROLS PROTECT VALUABLE EQUIPMENT FROM PROBLEMS AND DAMAGE

- Overloads
- Jams
- Obstructions
- Sudden Load Change
- Loss of Load
- Missing Tools
- Misplaced Parts

TRUE POWER LOAD DISPLAY
Versatile - Can Display
- % of Full Load
- Horsepower
- Kilowatts

FAST RESPONSE
- 10 times faster than typical load controls

EASY FRONT PANEL SETUP
- See all of your settings with a touch of a button

RUGGED NEMA 4 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
- Computers
- Chart Recorders
- Data Loggers

LISTED IND.CONT.EQ. 6D77

ADJUSTABLE SET POINTS
Low Trip - When load is below the Low Trip, the built-in relay will trip.
High Trip - When the load is above the High Trip, the built-in relay will trip.

RATE OF CHANGE
- Trips when rate of load change exceeds the selected rate.

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.

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

Form C Relays - Give you both Normally Open and Normally Closed Contacts

UNIQUE RANGE FINDER TOROID
- One sensor for capacities from fractional up to 50 HP (Up to 150 Amps for CR-150)
- Change capacity with Dip Switches
- Use optional Current Transformers for big motors

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PFR-1550

Single Set Point Load Control

- Overload or Loss of Load
- Power Sensing for best sensitivity
- High Trip or Low Trip selectable

ROC-50

Rate of Change Load Control

- Ideal for conveyors and material handling equipment
- Detects sudden changes in load
- Power Sensing for best sensitivity
- Rate of Change Set Point plus Gross Overload Set Point

PFR-1750

Two Set Point Load Control

- Sound alarm and stop process
- Power Sensing for best sensitivity

CR-150

Single Set Point Current Sensor

- Good for overload protection
- Simple installation

Model PFR-1550
Model ROC-50
Model PFR-1750
Model CR-150

- Use Optional Current Transformer for Motors Larger than 50 HP
- Specify Bezel Kit for Panel Mount

- Optional Lockout Switch
  Rear switch disables Enter button

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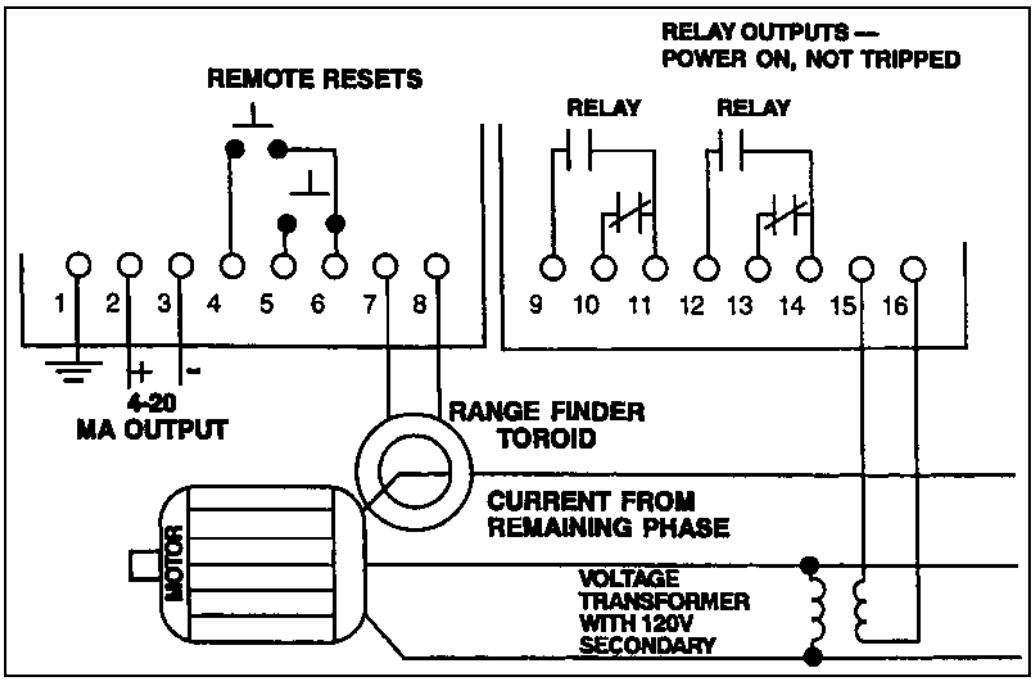
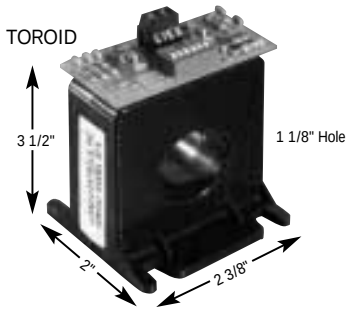
Typical Connections



SPECIFICATIONS

Enclosure	Glass-filled Polycarbonate NEMA 4, 4X (3 1/4" x 6 1/4" x 2") (83mm x 160mm x 54mm)
Mounting Options	On door, in cabinet Panel mount with Bezel Kit On wall with outlet Box Kit
Wiring	Unpluggable Terminal Strips on Rear
Load Display	.4" LED 3 Digit
Capacity	To 50 HP directly through Toroid (150 Amps for CR-150) Larger motors with Current Transformer & Toroid Change capacity with Dip Switches
Timers	Start Up and Trip Delay(s) 0-90 second 0-2 second in .1 second increments 2-90 second in 1 second increments
Relay Output(s)	(1) or (2) Form C 3 AMP @ 300 VAC or 1/8 HP @ 240 VAC Latch when tripped
Analog Output	4-20MA; powered by the Control, 500 OHM maximum connected impedance
Response Time	25 Milliseconds
Temperature	O C - 55 C
Power Consumption	2 VA



CALL FOR FREE
INSTALLATION BOOKLETS!

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Variable Frequency Power

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

- 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. It works on the output of a drive and can be combined with a modified "V" Series Load Control.

PFR-1550 V

PFR-1750 V

ROC-50 V

+

MODEL UPC

LOAD CONTROLS INCORPORATED

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