PD6001

PROVU® Analog Input Feet & Inches Meter

PROVU® SERIES

SUPER-BRIGHT LEDs
Our Brightest Display Ever

MeterView Pro
USB Install

c(UL)us LISTED CE

FEET & INCHES PROCESS

- Feet & Inches Display Ideal for Level Applications
- Large Dual-Line 6-Digit Display, 0.60" & 0.46"
- 0-20 mA, 4-20 mA, 0-5 V, 1-5 V, and ±10 V Inputs
- NEMA 4X, IP65 Front
- Input Power Options Include 85-265 VAC or 12-24 VDC
- Dual-Scale for Level and Volume – Single Input
- Optional SunBright Display Models for Outdoor Applications
- Isolated 24 VDC @ 200 mA Transmitter Power Supply
- Signal Input Conditioning for Round Horizontal Tanks
- Programmable Displays & Function Keys
- 32-Point or Exponential Linearization
- Multi-Pump Alternation Control
- 2 or 4 Relays + Isolated 4-20 mA Output Options
- External 4-Relay & Digital I/O Expansion Modules
- RS-232, & RS-485 Serial Communication Options
- Modbus® RTU Communication Protocol Standard (Slave)
- Onboard USB and MeterView® Pro Programming Software

PRECISION DIGITAL CORPORATION

PRECISION DIGITAL ÷

PD6001 PROVU® Analog Input Feet & Inches Meter

UV Resistant
Sunlight Readable
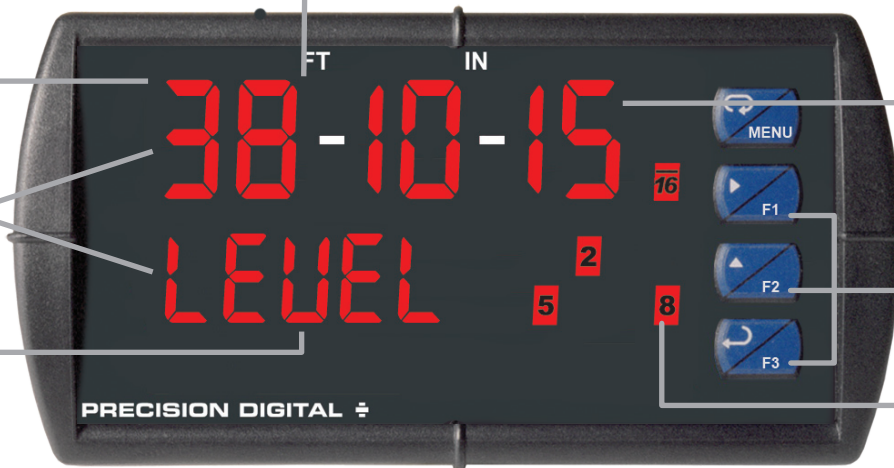
Front Panel
NEMA 4X Rated

MeterView Pro
USB Install

PD6001

Large 0.6" Digits

Rugged Front

Dual-Line 6-Character Display

User Configurable Display (Showing custom tag)

FT   IN

38-10-15

LEUEL

User Configurable Display Showing Feet & Inches to nearest 8th or 16th of an inch

Programmable Function Keys

Alarm Status Indicators

PRECISION DIGITAL

INTRODUCTION

The PROVU® PD6001 is a multi-purpose, easy-to-use digital process meter featuring a bright, highly visible main display with convenient feet and inches designations. It is ideal for level applications requiring a comprehensible display, as it shows feet, inches, and fractions of an inch to the nearest sixteenth of an inch. It accepts current and voltage signals (e.g. 4-20 mA, 0-10 V). Three of the front panel buttons can be custom-programmed for a specific operation. The analog input can be scaled to display the process in two different scales. The main display can indicate level in feet and inches with printed feet and inches designations, and the second display could be used to indicate some other scale, such as the volume in gallons or liters.

The basic model includes an isolated 24 VDC transmitter power supply that can be used to power the input transmitter or other devices. An additional isolated 24 VDC power supply is included with the 4-20 mA output option. A digital input is standard.

A fully loaded PD6001 meter has the following: four SPDT relays, 4-20 mA output, and two 24 VDC power supplies. The PD6001 capabilities may be enhanced by adding the following external expansion modules: four SPST relays (creating an eight-relay process meter), two digital I/O modules with four inputs and four outputs each, and USB, RS-232 or RS-485 communication adapters.

The eight relays can be used for alarm indication or process control applications, such as pump alternation control. The 4-20 mA isolated output, Modbus RTU serial communications, and digital I/O options make the PD6001 an excellent addition to any level monitoring or control system.

KEY FEATURES

Precise, Accurate, and More Informative

PROVU's large 0.6" upper display provides a highly accurate and precise view of the process measurement in feet & inches, while the lower display provides a clearly identifiable custom tag. Its 24-bit A/D is accurate to ±0.03% of calibrated span ±1 count. The PD6001's display also has lead zero blanking capability.

Standard LED and Optional SunBright LED Display Models

The PROVU's standard and SunBright display models feature extraordinarily bright LED displays. They are perfect for indoor and outdoor applications where visibility may be impaired by smoke, fog, dust, or distance. The intensity on the SunBright display model is so high it can be read even in the brightest sunlight.

Function Keys

There are three function keys available to the user. These keys can be programmed to trigger certain events (i.e. acknowledge alarms, reset max and/or min, disable/enable output relays, or hold current relay states), provide direct menu access points, and more.

Learn more about using the PROVU's Function Keys by watching a video at predig.com/videos
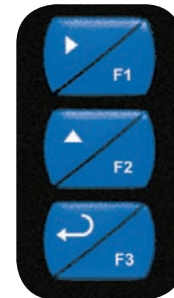
Free USB Programming Software & Cable

The PROVU® comes preloaded with free **MeterView® Pro** programming software that connects and installs directly to your PC with a standard USB cable, also provided free with each instrument. This eliminates the need to insert CDs, install drivers, or download software from the internet. The software will allow you to configure, monitor, and datalog a PROVU® PD6001 using your PC. Just simply connect the meter to your PC with the USB cable and within minutes you will be programming it.

Free USB Cable Included
for Easy Software Installation

MeterView Pro
USB Install
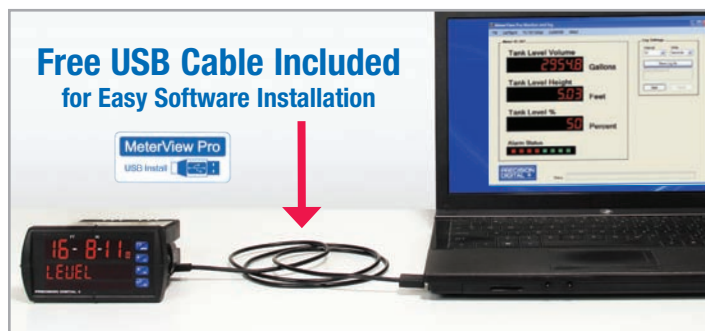
Dual-Scale Display Feature

The PʀᴏVᴜ PD6001 has a rather unique, and very flexible dual-scale capability; a second scaled display can represent the measured input in a different form (i.e. feet & gallons). This is of particular value in level applications. Please see the examples shown below. Both displays are independently scaled and are based on the 4-20 mA input signal. This function can be used for feet & gallons, feet & meters, feet & percent, feet & barrels, and more.

Feet & Gallons


Feet & Meters

Feet & Percent

Feet & Barrels

Advanced Linearization Capability

The PʀᴏVᴜ includes a 32-point linearizer. In non-linear level applications (i.e. some pumping or lift stations), it can easily compensate for submerged equipment or plumbing that displace usable volume. A second independent 8-point linearizer is available for a second scaled display (PV2) when "Level" function is enabled. Precision Digital's free MeterView Pro PC-based software greatly simplifies the construction of the linearization tables. The software can save this data to the meter and/or PC.

On-Board Digital Input

The PD6001 includes a digital input as standard. This digital input can operate with the interlock relays feature, force relays on from a signal from a PLC or relay on other equipment, and much more. This is ideal for installations where the meter is inaccessible behind a cover, or where an additional function key is needed for customized operation.
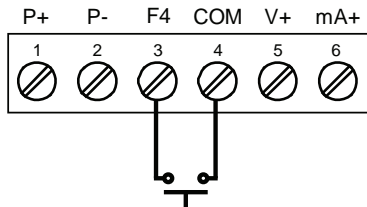
Max/Min Display

Max/Min (or Peak/Valley) is standard on the PʀᴏVᴜ PD6001. Either display can be configured to show either maximum or minimum excursion since last reset. The displays can also be configured to toggle between Max and Min values. Both values can be simply reset from the front panel.

Easy-to-Use

The user friendly dual-line display makes the PʀᴏVᴜ easy to set up & program. No jumpers to set for input selection. All setup & programming are done via the front panel. Three levels of password protection help maintain the reliability of the programming.

Rugged & Durable

A unique front panel design makes the PʀᴏVᴜ nearly impenetrable in typical applications. Here, the PʀᴏVᴜ easily survives a direct hit on the display from a heavy 2" solid stainless steel ball dropped from a height of eight feet.

PʀᴏVᴜ VIDEOS

Watch a quick demonstration on how the PʀᴏVᴜ works and also how the function keys can simplify functionality. These and other videos are available at www.predig.com/videos.

DIGITAL COMMUNICATIONS

Modbus® RTU Serial Communications

With the purchase of a serial communication adapter, PʀᴏVᴜ meters can communicate with any Modbus Master device using the ever-popular Modbus communications protocol that is included in every PʀᴏVᴜ. This greatly increases the flexibility of the meter. Modbus provides much more capability than read PV and write set points. Below are some examples of other things that can be done with PʀᴏVᴜ's Modbus communications.

• Send a 6-character message to the lower display upon an event
• Convert a digital value to a 4-20 mA signal
• Remote user control (i.e. change set points, acknowledge alarms)
• Input a Modbus digital PV (in place of analog input)
• Remote override of any, or all, relays and analog outputs

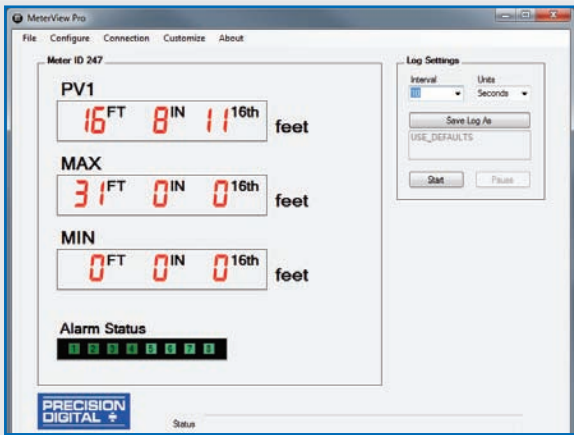

Modbus PV Input

Remote Message

MeterView® Pro
Configure, monitor, and datalog any ProVu model from a PC.
Convenient USB Install

Please see the following page for more information.
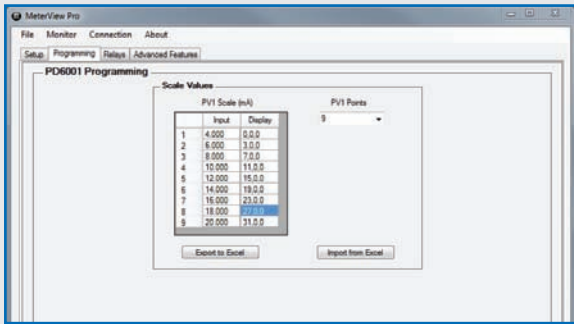
METERVIEW® PRO SOFTWARE

Configure, monitor, and datalog a PD6001 from a PC using Meter View Pro Software (available with each PROVU meter via USB or for download at www.predig.com).
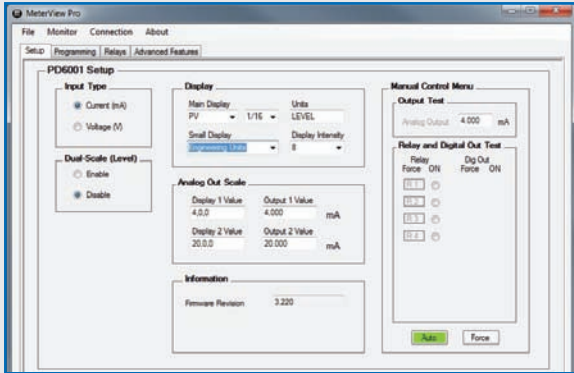

FIELD EXPANSION MODULES
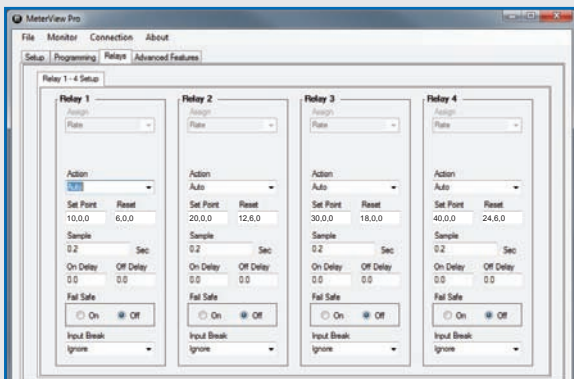
Add functionality to the PROVU in the field with easy-to-install external expansion modules. Add USB, RS-232, or RS-485 communications, I/O modules (up to 2), and 4-relay expansion module. The menu items for these modules do not appear until the module is connected, simplifying the basic menu. Relay and digital I/O modules are shown below with optional DIN rail mounting kit, P/N PDA1002.
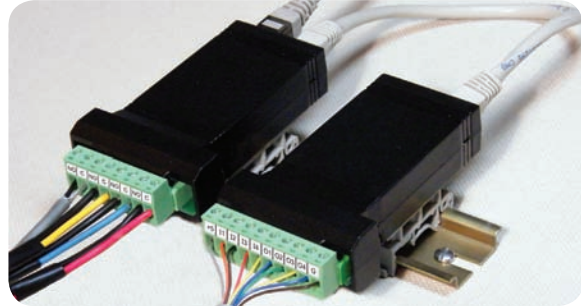

PDA1044 I/O Expansion Module

Four digital inputs and four digital outputs are available per expansion module. The PROVU meter will accept two of these modules. External digital inputs can function similarly to the front panel function keys or on-board digital input F4. They can be configured to trigger certain events (i.e. acknowledge/reset alarms, reset max and/or min values, disable/enable all output relays, and hold current relay states), provide direct menu access point, or mimic front panel keys. The I/O module can be used to configure the PROVU remotely, in essence giving the user control of the four front panel push buttons. This feature is particularly useful if the meter is mounted inside an explosion-proof enclosure.

Digital outputs can be used to remotely monitor PROVU's alarm relay output states, or the states of a variety of actions and functions executed by the meter.

PDA1004 Relay Expansion Module

An external module containing four 3 A Form A (SPST) relays can be added to the PROVU at anytime. Removable screw terminal blocks accept 12 to 22 AWG wire.
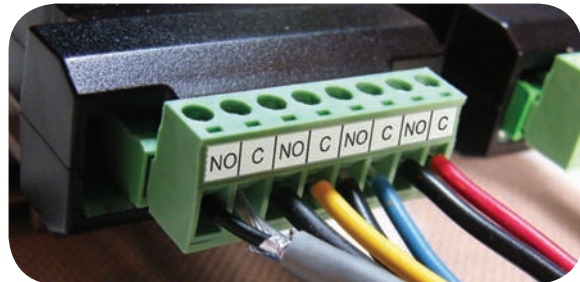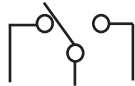

PDA1232 & PDA1485 Communication Modules

Serial communications on the PROVU can be added anytime with external PDA1232 (RS-232) or PDA1485 (RS-485) communication adapters.

Free Modbus protocol included for use with PROVU serial communications modules.

OUTPUTS

Relay Outputs

The PROVU has up to four 3 A Form C relays (SPDT) with multiple power loss fail-safe options. Relays can be configured for proper protective action upon input loop break. Relay ON and OFF delay times are user adjustable. Up to eight front panel indicators show alarm and/or relay state. All relays can be configured for 0-100% deadband.

Relay Operation/Configuration

There are powerful relay functions that can be configured in the PROVU meter, including:

- Automatic reset only (non-latching)
- Automatic + manual reset at any time (non-latching)
- Latching (manual reset only)
- Latching with clear (manual reset only after alarm condition has cleared)
- Pump alternation control (automatic reset only)
- Sampling (activated for a user-specified time)
- User selectable fail-safe operation
- Relay action for loss (break) of 4-20 mA input signal
- Time delay (on and off), independent for each relay
- Manual control mode
- Interlock relay mode

Analog Output

The isolated analog retransmission signal can be configured to represent the process variable (PV), maximum (peak) value, minimum (valley) value, the value for any of the eight relay set points, or Modbus input. While the output is nominally 4-20 mA, the signal will accurately accommodate under- and over-ranges from 1 to 23 mA.

Manual Output Control

Take control of any output with this feature. All relays can be forced ON or OFF, and the 4-20 mA output signal can be set to any value within its range. When the relays and 4-20 mA output are controlled manually, an LED labeled "M" is turned on and the associated Alarm LEDs (1-8) flash every 10 seconds indicating that the meter is in manual control mode.

Isolated Transmitter Power Supplies

A powerful 24 V @ 200 mA power supply is a standard feature on the PROVU meter. It can be configured for 5, 10, or 24 V (default) by means of a simple internal jumper (see manual). An additional power supply (24 V @ 40 mA) is standard with the 4-20 mA output option.

Sampling Function (PV Triggered Timed Relay)

The sampling function allows the operator to set a set point for a "sampling" relay. When the PV reaches that set point, it will close that relay's contacts for a preset period of time (0.1 to 5999.9 seconds). An example of its use may be for beer/ale fermentation. When the batch reaches a certain pH, the relay contacts would close and by some means (light, horn, etc.) alert someone to take a sample, or provide the trigger to automatically take a sample of the batch. The utility of this function can, of course, be expanded beyond sampling and be used whenever a timed relay output closure is required when the PV reaches a certain set point.

Interlock Relay(s)

This function allows a process to use one or more very low voltage input signals or simple switch contacts to control the state of one or more internal "interlock" relays. A violation (i.e. loss of input, open switch, or open circuit) forces one or more N/O interlock relay contacts to open. One input can be used in series with a number of interlock switches, or up to eight inputs can be required to force-on one (or more) internal interlock relays. Please see Application Note AN-1008 on our website for more information. Requires PDA1044 Digital I/O module or use of on-board digital input F4.
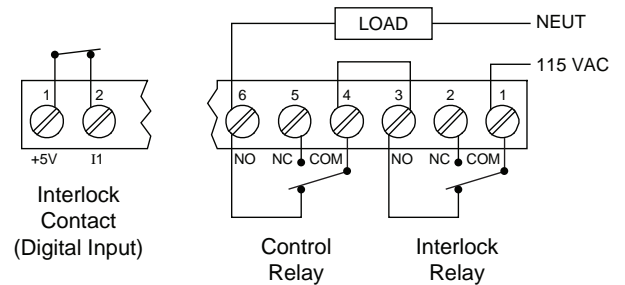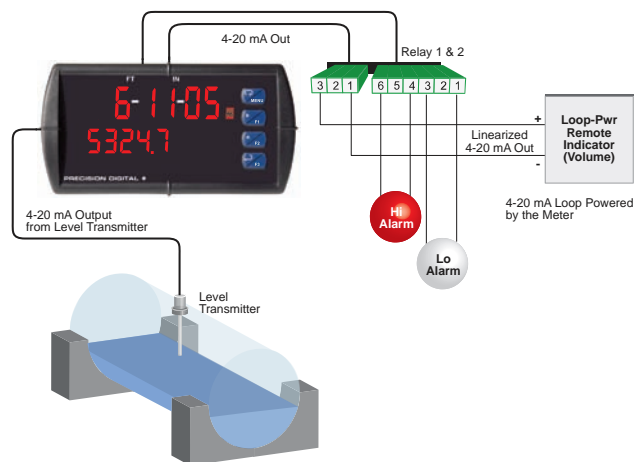

SIGNAL INPUT CONDITIONING

Non-linear input signals can be linearized with the PROVU's simple to use round horizontal tank linearizer, or the PROVU's powerful general purpose linearizer.
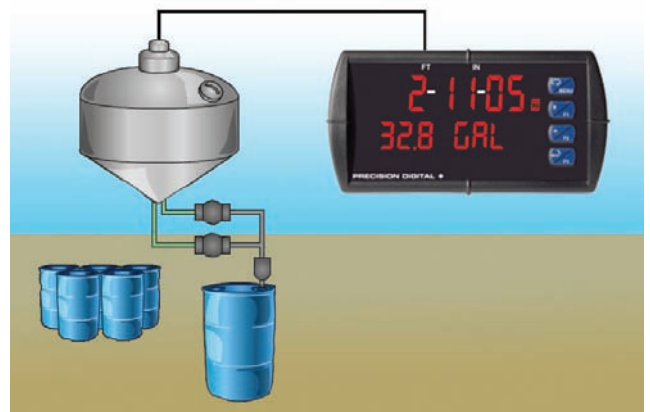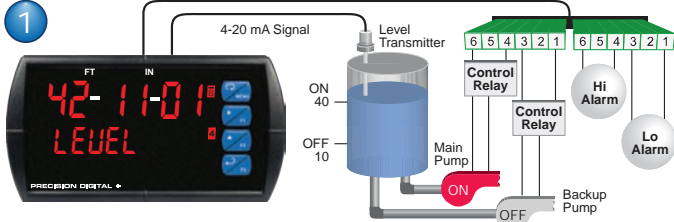

8-Point Linearizer for Volume
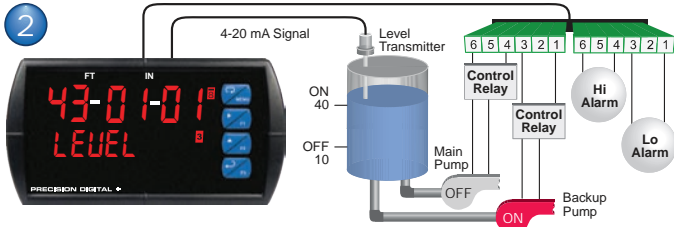

Round Horizontal Tank Signal Input Conditioner
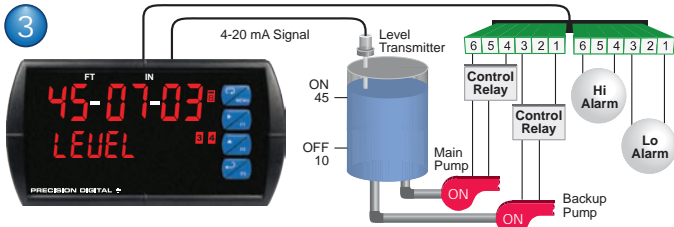
Multi-Pump Alternation

Up to 8 pumps can be alternated/sequenced. This not only provides a high level of control over the entire system, but also increases the life of your pumps.
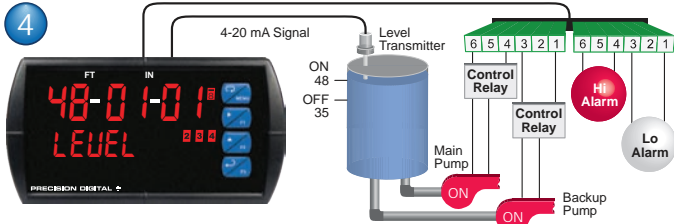
1

4-20 mA Signal | Level Transmitter | Control Relay | Control Relay | Hi Alarm | Lo Alarm | ON 40 | OFF 10 | Main Pump ON | Backup Pump OFF

Relay #4 turns the main pump on at 40 feet and turns it off at 10 feet.

2

Relay #3 transfers | Control Relay | Hi Alarm | Lo Alarm | ON 40 | OFF 10 | Main Pump OFF | Backup Pump ON
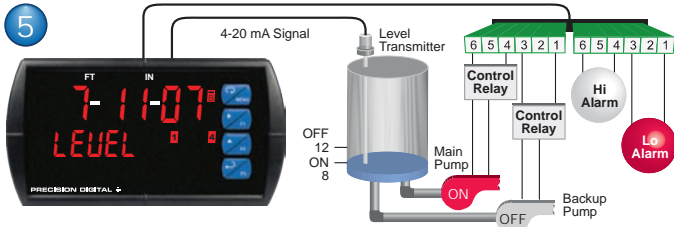
With the Pump Alternation feature activated, the next time the level reaches 40 feet, relay #3 transfers and starts the backup pump.

3

4-20 mA Signal | Level Transmitter | Control Relay | Control Relay | Hi Alarm | Lo Alarm | ON 45 | OFF 10 | Main Pump ON | Backup Pump ON

If the backup pump is not able to keep up, and the level reaches 45 feet, relay #4 transfers and starts the main pump as well.

4

4-20 mA Signal | Level Transmitter | Control Relay | Control Relay | Hi Alarm | Lo Alarm | ON 48 | OFF 35 | Main Pump ON | Backup Pump ON

Relay #2 trips the High Level Alarm at 48 feet and resets at 35 feet.

5

4-20 mA Signal | Level Transmitter | Control Relay | Control Relay | Hi Alarm | Lo Alarm | OFF 12 | ON 8 | Main Pump ON | Backup Pump OFF

Relay #1 trips the Low Level Alarm at 8 feet and resets at 12 feet.

PROTEX-MAX EXPLOSION-PROOF

All the proven features of the PROVU brought into your hazardous areas! Go to www.predig.com/pd8

PD8-6000
ProtEX-MAX Explosion-Proof

NEMA 4 & 4X FIELD ENCLOSURES

Precision Digital offers a variety of rugged enclosures that provide a high degree of protection against harsh operating environments. Thermoplastic and stainless steel NEMA 4X, and painted steel NEMA 4 enclosures for up to 10 PROVU meters are available.

PDA2302
Plastic Economical

PDA2600
Stainless Steel

PDA2706
Steel

PDA2811
Plastic Low-Cost

PDA2812
Plastic Low-Cost

PDA3400
Plastic Internally Mounted

See our complete offering at www.predig.com/esu

CONNECTIONS

- Form C (SPDT) relays
- Two isolated supplies available even on 12/24 VDC input power models
- Removable terminal blocks
- 2 or 4 relays + isolated 4-20 mA output option

4-20 mA Output Powered by PROVU

RELAY4 | RELAY3 | RELAY2 | RELAY1 | MA OUT
NO NC C | NO NC C | NO NC C | NO NC C | I- I+ R | 24 V

SIGNAL
P+ P- F4 COM V+ mA+
1 2 3 4 5 6

M-LINK | POWER

PROVU provides 24V@200 mA to power the transmitter

- Input Power Options: 85-265 VAC or 12/24 VDC
- Voltage or current inputs
- No jumpers needed for V/mA input selection
- M-Link for adding expansion modules
- Digital input (F4)
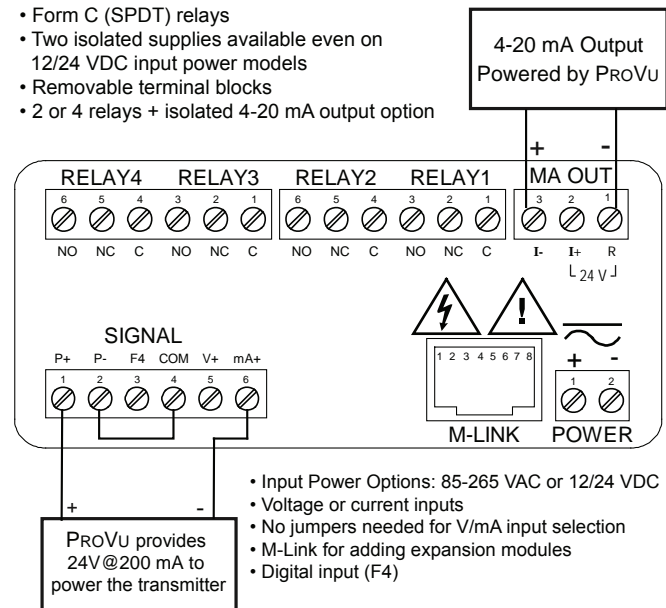
SPECIFICATIONS

Except where noted all specifications apply to operation at +25°C.

General

Display: Upper Feet & Inches display: 0.60" (15 mm) high. Lower display: 0.46" (12 mm) high. Both are 6 digits (-99999 to 999999), red LEDs.

Feet & Inches Display Range: 0' 00" 0/16" to 99' 11" 15/16"

Display Intensity: Eight intensity levels

Display Update Rate: 5/second (200 ms)

Overrange: Display flashes 999999

Underrange: Display flashes -99999

Display Assignment: The upper and lower displays may be assigned to PV1, PV2, PCT (percent), max/min, alternate max & min, set points, units (lower display only), or Modbus input.

Front Panel: NEMA 4X, IP65

Programming Methods: Four front panel buttons, digital inputs, PC and MeterView Pro software, Modbus registers.

F4 Digital Input Contacts: 3.3 VDC on contact. Connect normally open contacts across F4 to COM.

F4 Digital Input Logic Levels: Logic High: 3 to 5 VDC
Logic Low: 0 to 1.25 VDC

Noise filter: Programmable from 2 to 199 (0 will disable filter)

Filter Bypass: Programmable from 0.1 to 99.9% of calibrated span

Recalibration: Calibrated at the factory. Recalibration is recommended at least every 12 months.

Max/Min Display: Max / min readings reached by the process are stored until reset by the user or until power to the meter is turned off.

Password: Three programmable passwords restrict modification of programmed settings.

Non-Volatile Memory: All programmed settings are stored in non-volatile memory for a minimum of ten years if power is lost.

Power Options: 85-265 VAC 50/60 Hz, 90-265 VDC, 20 W max, or optional model with 12-24 VDC ±10%, 15 W max.

Fuse: Required external fuse: UL Recognized, 5 A max, slow blow; up to 6 meters may share one 5 A fuse.

Isolated Transmitter Power Supply: Terminals P+ & P-: 24 VDC ± 10%. Internally selectable jumper for 24, 10, or 5 VDC supply.
85-265 VAC models rated @ 200 mA max, 12-24 VDC powered models rated @ 100 mA max, @ 50 mA max for 5 or 10 VDC supply.

Normal Mode Rejection: Greater than 60 dB at 50/60 Hz

Isolation: 4 kV input/output-to-power line. 500 V input-to-output or output-to-P+ supply.

Overvoltage Category: Installation Overvoltage Category II: Local level with smaller transient overvoltages than Installation Overvoltage Category III.

Environmental: Operating temperature range: -40 to 65°C
Storage temperature range: -40 to 85°C
Relative humidity: 0 to 90% non-condensing

Connections: Removable screw terminal blocks accept 12 to 22 AWG wire, RJ45 for external relays, digital I/O, and serial communication adapters.

Enclosure: 1/8 DIN, high impact plastic, UL 94V-0, color: black

Mounting: 1/8 DIN panel cutout required: 3.622" x 1.772" (92 mm x 45 mm). Two panel mounting bracket assemblies are provided.

Tightening Torque: Screw terminal connectors: 5 lb-in (0.56 Nm)

Dimensions: 4.68" x 2.45" x 5.64" (119 mm x 62 mm x 143 mm) (W x H x D)

Weight: 9.5 oz (269 g)

UL File Number: UL & C-UL Listed. E160849; 508 Industrial Control Equipment.

Warranty: 3 years parts & labor

USB Connection: Compatibility: USB 2.0 Standard, Compliant
Connector Type: Micro-B receptacle
Cable: USB A Male to Micro-B Cable
Driver: Windows 98/SE, ME, 2000, Server 2003/2008, XP 32/64-Bit, Vista 32/64-Bit, Windows 7 32/64-Bit, Windows 10 32/64-Bit
Power: USB Port

Process Input

Inputs: Field selectable: 0-20, 4-20 mA, ±10 VDC (0-5, 1-5, 0-10 V), Modbus PV (Slave)

Accuracy: ±0.03% of calibrated span ±1 count, square root & programmable exponent accuracy range: 10-100% of calibrated span

Temperature Drift: 0.005% of calibrated span/°C max from 0 to 65°C ambient, 0.01% of calibrated span/°C max from -40 to 0°C ambient

Signal Input Conditioning: Linear or round horizontal tank volume calculation.

Multi-Point Linearization: 2 to 32 points for PV or PV1. 2 to 8 points for PV2 (Dual-Scale Level feature)

Programmable Exponent: 1.0001 to 2.9999

Low-Flow Cutoff: 0-999999 (0 disables cutoff function)

Decimal Point: Up to five decimal places or none: $d.ddddd$, $dd.dddd$, $ddd.ddd$, $dddd.dd$, $ddddd.d$, or $dddddd$.

Calibration Range: 4-20 mA: minimum span input 1 & input 2: 0.15 mA. ±10 V: minimum span input 1 & 2: 0.10 V. An Error message will appear if input 1 and input 2 signals are too close together.

Input Impedance: Voltage ranges: greater than 1 MΩ. Current ranges: 50 - 100 Ω (depending on resettable fuse impedance).

Input Overload: Current input protected by resettable fuse, 30 VDC max. Fuse resets automatically after fault is removed.

Relays

Rating: 2 or 4 SPDT (Form C) internal and/or 4 SPST (Form A) external; rated 3 A @ 30 VDC and 125/250 VAC resistive load; 1/14 HP (≈ 50 watts) @ 125/250 VAC for inductive loads such as contactors, solenoids, etc.

Noise Suppression: Noise suppression is recommended for each relay contact switching inductive loads.

Deadband: 0-100% of span, user programmable

High or Low Alarm: User may program any alarm for high or low trip point. Unused alarm LEDs and relays may be disabled (turned off).

Relay Operation: automatic (non-latching), latching (requires manual acknowledge), sampling (based on time), pump alternation control (2 to 8 relays), Off (disable unused relays and enable interlock feature, manual on/off control mode).

Relay Reset: User selectable via front panel buttons or digital inputs.
1. Automatic reset only (non-latching), when input passes the reset point.
2. Automatic + manual reset at any time (non-latching).
3. Manual reset only, at any time (latching).
4. Manual reset only after alarm condition has cleared (latching).
Note: Front panel button or digital input may be assigned to acknowledge relays programmed for manual reset.

Time Delay: 0 to 999.9 seconds, on & off relay time delays.
Programmable and independent for each relay.

Fail-Safe Operation: Programmable and independent for each relay.
Note: Relay coil is energized in non-alarm condition. In case of power failure, relay will go to alarm state.

Auto Initialization: When power is applied to the meter, relays will reflect the state of the input to the meter.

Serial Communications

Protocol: Modbus® RTU (Slave Only)

Meter Address/Slave ID: 1 - 247

Baud Rate: 300 - 19,200 bps

Transmit Time Delay: Programmable between 0 and 199 ms or transmitter always on for RS-422 communication

Data: 8 bit (1 start bit, 1 or 2 stop bits)

Parity: Even, odd, or none with 1 or 2 stop bits

Byte-to-Byte Timeout: 0.01 - 2.54 seconds

Turn Around Delay: Less than 2 ms (fixed)
Note: Refer to the PROVU® Register Tables located at www.predig.com for details.

Isolated 4-20 mA Transmitter Output

Output Source: Process variable (PV), max, min, set points 1-8, manual control setting, or Modbus input

Scaling Range: 1.000 to 23.000 mA for any display range

Calibration: Factory calibrated: 4.000 to 20.000 = 4-20 mA output

Analog Output Programming: 23.000 mA maximum for all parameters: Overrange, underrange, max, min, and break

Accuracy: ± 0.1% of span ± 0.004 mA

Temperature Drift: 0.4 µA/°C max from 0 to 65°C ambient, 0.8 µA/°C max from -40 to 0°C ambient

Note: Analog output drift is separate from input drift.

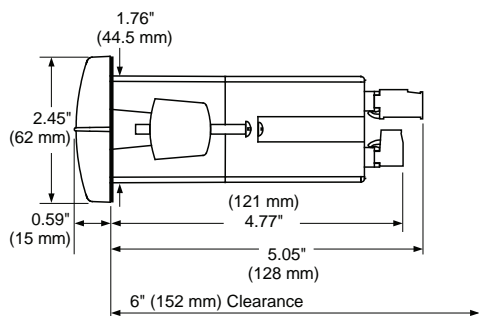**Isolated Transmitter Power Supply:** Terminals I+ & R: 24 VDC ± 10%. Isolated from the input at >500 V. May be used to power the 4-20 mA output or other devices. All models rated @ 40 mA max.

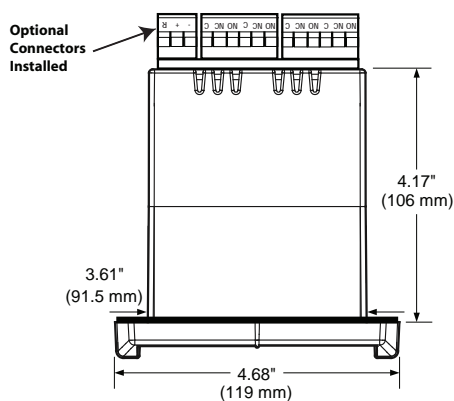**External Loop Power Supply:** 35 VDC maximum

Output Loop Resistance:

Power supply	Minimum	Maximum
24 VDC	10 Ω	700 Ω
35 VDC (external)	100 Ω	1200 Ω

DIMENSIONS

Side View

Top View

Notes:
1. Panel cutout required: 1.772" x 3.622" (45 mm x 92 mm)
2. Panel thickness: 0.040 - 0.250" (1.0 mm - 6.4 mm)
3. Mounting brackets lock in place for easy mounting
4. Clearance: Allow 6" (152 mm) behind the panel

ORDERING INFORMATION

PʀᴏVᴜ® PD6001 • Standard Models		
85-265 VAC Model	**12-24 VDC Model**	**Options Installed**
PD6001-6R0*	PD6001-7R0	None
PD6001-6R2*	PD6001-7R2	2 Relays
PD6001-6R3*	PD6001-7R3	4-20 mA Output
PD6001-6R4*	PD6001-7R4	4 Relays
PD6001-6R5*	PD6001-7R5	2 Relays & 4-20 mA Output
PD6001-6R7*	PD6001-7R7	4 Relays & 4-20 mA Output

Note: 24 V Transmitter power supply standard on all models.
* Quick Shipment Program product, typically ships within 2 working days.

PʀᴏVᴜ® PD6001 • SunBright Display Models		
85-265 VAC Model	**12-24 VDC Model**	**Options Installed**
PD6001-6H0	PD6001-7H0	None
PD6001-6H2	PD6001-7H2	2 Relays
PD6001-6H3	PD6001-7H3	4-20 mA Output
PD6001-6H4	PD6001-7H4	4 Relays
PD6001-6H5	PD6001-7H5	2 Relays & 4-20 mA Output
PD6001-6H7	PD6001-7H7	4 Relays & 4-20 mA Output

Note: 24 V Transmitter power supply standard on all models.

Accessories	
Model	**Description**
PDA1002	DIN Rail Mounting Kit for Two Expansion Modules
PDA1004	4-Relay Expansion Module
PDA1044	4 Digital Inputs & 4 Digital Outputs Module
PDA1232	RS-232 Serial Adapter
PDA1485	RS-485 Serial Adapter
PDA7485-I	RS-232 to RS-422/485 Isolated Converter
PDA7485-N	RS-232 to RS-422/485 Non-Isolated Converter
PDA8232-N	USB to RS-232 Non-Isolated Converter
PDA8485-I	USB to RS-422/485 Isolated Converter
PDA8485-N	USB to RS-422/485 Non-Isolated Converter
PDX6901	Suppressor (snubber): 0.01 µF/470 Ω, 250 VAC

Your Local Distributor is:

Order from:

C A Briggs Company

622 Mary Street; Suite 101
Warminster, PA 18974
Phone: 267-673-8117 - Fax: 267-673-8118
Sales@cabriggs.com - www.cabriggs.com

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