PENBERTHY®

PENBERTHY
Model PB100.20 PB100.20/2 Point Level Switches

How It Works – Reed Switch

The magnetic float rises or falls with the liquid level, its magnetic field activates the reed switch at a defined point. The sealed contacts close or open instantly, providing a precise, reliable signal for level indication or alarm. With no process contact and no moving parts to wear, the design ensures simple, maintenance-free operation and long service life.

Penberthy PMG RS-2 Point level Switch

PMG-15B-01-T-MM
With RS-2
Reed Switch

Key Features

- **Hermetically Sealed Bi-Stable Latching Reed Switch –** Actuated by the Penberthy PMG® float for reliable, repeatable performance.
- **Maximum Load –** Handles up to 1 amp, 150 VAC/VDC, 25 W.
- **Completely Sealed –** Never requires opening, ensuring maintenance-free operation.
- **Simple Integration –** Provides a clean input to user-supplied controllers or DCS systems.
- **Flexible Configurations –** Available with SPDT or DPDT switch action to suit a wide range of control needs.
- **Easy Installation –** Clamps directly to the Penberthy PMG® chamber with no process contact.
- **Field Adjustable –** Easily positioned for precise level set points.
- **Built for Reliability –** PB100.20 and PB100.20/2 models deliver years of trouble-free service in demanding process environments.

16633 Foltz Parkway, Strongsville, OH 44149 USA • Telephone: +440-572-1500
www.PenberthyProcess.com • sales@PenberthyProcess.com

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Ordering Information

Part Number Designation

PB100.20 ## # ## #

CHAMBER SIZE (NPS):

4 = 1.5” 5 = 2.0”
6 = 2.5” 7 = 3.0”
9 = 4.0” A = 5.0”

ORIENTATION:

LH = LEFT HAND (STD)
RH = RGHT HAND

NUMBER OF SWITCHES:

1 = SINGLE REED SWITCH
2 = DOUBLE REED SWITCH
3 = SINGLE REED SWITCH (GE)

CERTIFICATION:

UC = CLASS I, DIV 1 APPROVED (US/CAN)

Model PB100.20 or PB100.20/2 Specifications

Maximum Voltage:	120 VAC/VDC
Maximum Current:	1.0 Amp
Maximum Power:	30 Watts
Deadband:	.375”
Max. Temp. (Process):	Temperature above 300ºF requires special mounting & insulation options.
Minimum Temperature:	-40ºF (-40ºC)
Enclosure:	NEC Class I, Division 1, Groups B, C, & D NEMA 4X
Contacts:	PB100.20 OR PB100.20/2
Conduit Connection:	¾” NPT

Approvals

UL/cUL approved for service in Class I, Division 1 Groups B, C, & D; Class II, Division 1 Groups E, F, & G Hazardous Locations

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