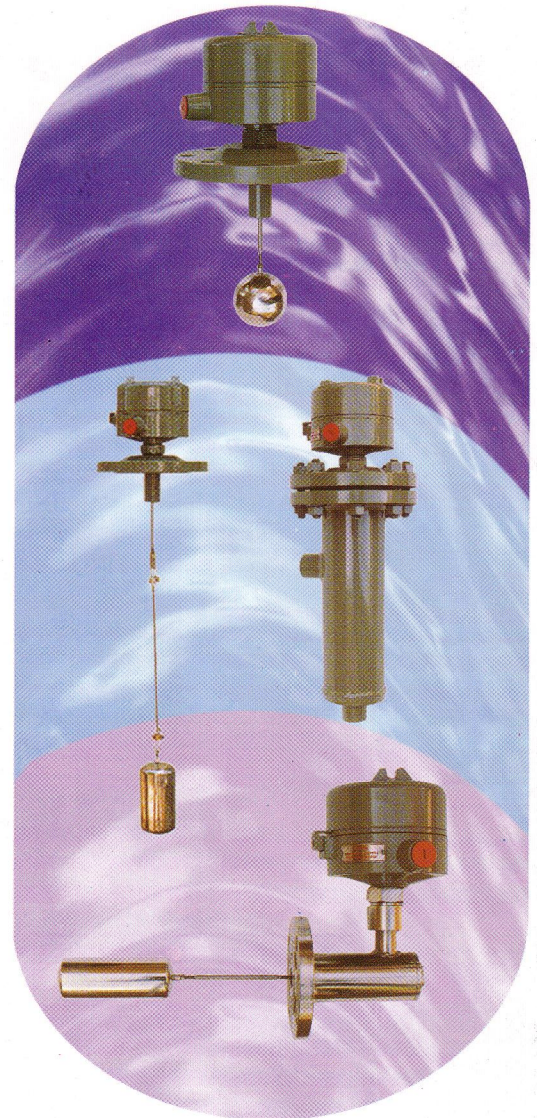




J R U CONTROL

SERIES 500 LEVEL SWITCH

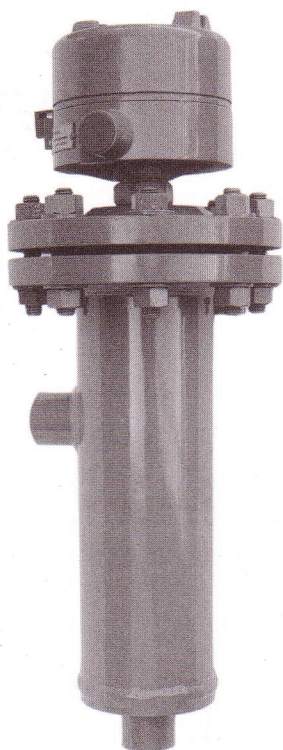
- **Simple Design**
- **Rugged Construction**
- **Proven Performance**
- **High Temperature & Pressure Rating**
- **Explosion Proof Enclosures**
- **Ease of Installation & Absence of Complicated Bellows, Springs Etc. Ensures Maintenance Convenience & Lower Downtime.**



*P*lacka Series 500 Level Switches are designed and built for years of trouble free service in a wide variety of process industries. Compact design and quality construction eliminates possibility of process fluid coming in contact with switch housing. Use of micro switch avoids troubles of mercury switch and permits continuous operation with low maintenance. Options of different material and process connections to suit all Industrial applications.

SERIES 501

EXTERNAL MOUNTED WITH CHAMBER



Placka Series 501 features rugged design of chamber type level switches for External Mounting applications. Available with carbon steel or stainless steel chambers with sensing material of SS316, PTFE coated, these can be ideal choice for refineries, chemical plants and corrosive environments.

PHYSICAL SPECIFICATIONS :

The MODEL PMLS 501 Float Operated level switch suits for pressures upto 50 Kg/cm² at 100° C and Displacer Operated level switch for pressures greater than 50 Kg/cm² at 100° C.

Process Connection Size & Rating For PMLS 501 Float Operated Level Switch

Flange	:	1/2 to 1 1/2" upto 300# rating as per B16.5.
Socket weld	:	1/2 to 1 1/2" as per B16.5 upto 3000# rating.
Screwed	:	1/2" to 1" (BSP/ NPT). (others on request)
Chamber Material	:	A106 Gr.B/SS316. (others on request)
Sensor Material	:	SS316, PTFE coated.
Float Diameter	:	75mm & 90mm.
Differential 75mm dia	:	20mm +/- 2mm.
90mm dia	:	15mm +/- 2mm.
Max. pressure 75mm dia	:	50 Kg/cm ² .
90mm dia	:	30 Kg/cm ² .

Process Connection Size & Rating For PMLS 501 Displacer Operated level Switch

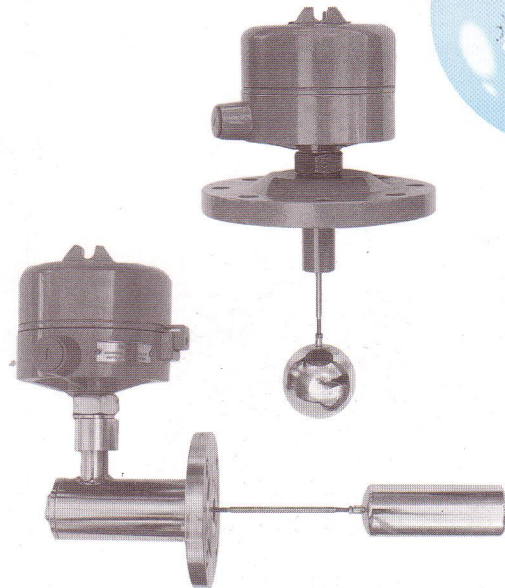
Size	:	Same as the Float operated except the pressure rating can be upto 900 #.
Displacer dimension	:	75mm (dia) x 150mm (L) (other dimensions on request)
Differential	:	Single 25mm (Min) / 40mm (Max) Double as required.
Max.pressure	:	90 Kg/cm ² .

INTERNAL MOUNTED FLOAT OPERATED

**SERIES
502**

Placka Series 502 is a time tested simple design level switch. These switches have been operating continuously in a multitude of Industries for more than three decades.

Available in two models, PMLS 502A for top mounting and PMLS 502B side mounting for better choice of installation.



PHYSICAL SPECIFICATIONS :

Process Connection Size & Rating for PMLS 502A & 502B

Flange	: 1" to 6" upto 300# rating as per B16.5.
Sensor Material	: SS316, PTFE coated.
Float dia PMLS-502A	: 75mm & 90mm.
Differential 75mm dia	: 20mm +/- 2mm.
90mm dia	: 15mm +/- 2mm.
Max.pressure 75mm dia	: 50 Kg/cm ² .
90mm dia	: 30 Kg/cm ² .
Float dimension PMLS-502B	: 75mm (dia) x 150mm (L) (other dimensions on request)
Differential	: 10mm +/- 2mm
Max. pressure	: 50 Kg/cm ² .

INTERNAL MOUNTED DISPLACER OPERATED

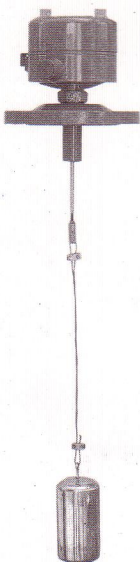
**SERIES
503**

Model PMLS 503 is a displacer operated, top mounted level switch featuring all the salient features of the Placka 500 Series level switches.

PHYSICAL SPECIFICATIONS :

Process Connection Size & Rating for PMLS 503

Flange	: 1" to 6" upto 900# rating as per B16.5.
Sensor Material	: SS316, PTFE coated.
Displacer Dimension	: 75mm (dia) x 150mm (L) (other dimensions to suit customer requirements)
Differential	: Single 25mm (Min) / 40mm (Max) Double as required
Max.pressure	: 90 Kg/cm ² .



GENERAL SPECIFICATIONS OF SERIES 500

Specific Gravity	: 0.5 to 1.4
Max. Temperature Rating	: 400° C
Cooling Fin	: Greater than 250° C
Extension Rod	: Less than 10° C
IBR	: As required
Switch Type	: Snap action Micro switch
Enclosure	: Weather proof (IS 2147) Explosion proof (IS 2146) ISI No. CM/L 6084466
Electrical area classification	: Group IIA & IIB Zone 1, Zone 2/Nema 4&7/IEC Gr.C,D,E,F,G NECG
Switch Contact	: SPDT 2 Nos./ SPDT 1 Nos.
Contact Rating & Contact Coating	: 230V AC 5A / 30V DC 2A Silver Alloy Contact 125V AC 0.1A / 30V DC 0.1A Gold Alloy Contact (others on request)
Cable Entry Size	: 1/2" NPT (F) / 3/4" NPT (F) (others on request)
Cable Entry Type	: Double entry / Single entry

For Interface - Upper/Lower liquids, Please specify the specific gravity for each liquid.

ORDERING INFORMATION :

Please provide the following data for us to help you select the right switch.

- Process Details : Pressure, Temperature, Specific Gravity.
- Electrical Requirement.
- Enclosure Type.
- Process Connection.
- Material Compatibility With Media.

J R U CONTROL PVT. LTD.
FORMERLY PLACKA INSTRUMENTS & CONTROLS PVT. LTD.

#3, Ramamoorthy Street, Nehru Nagar, Chromepet, Chennai - 600044.
Tel : 044 - 404562, 401559. Fax : 044 - 2368984. Grams : Plackins.