





PRODUCT OVERVIEW



ELETTROTEC®

CONTROL DEVICES FOR FLUIDS

PRESSURE AND VACUUM SWITCHES

Available with body in brass, zinc plated steel, stainless steel 316 and taper or parallel threads. Working ranges from 0.1 to 360 bar for pressure switches and from -100 to -900 mbar for vacuum switches. Diaphragm execution in NBR, FKM, HNBR, silicone, EPDM, stainless steel or steel piston execution. NO, NC, SPDT contacts. Available certifications UL, RINA, Lloyd's Register, IECEx, ATEX.

PRESSURE SWITCHES

PMN



- Pressure switch with push-on terminals 6.3x0.8. NO or NC contact without pressure.
- Pressure range from 0.1 to 300 bar.
- Temperature range from -40°C to +140°C.
- Body material in brass, zinc plated steel or s.s. 316.
- Available diaphragms NBR, FKM, silicone, HNBR, neoprene, EPDM, stainless steel or ZNBR.
- Available threads G 1/8 BSP taper, G 1/4 BSP taper, M10x1 taper, M12x1.5 parallel, G 1/4 BSP parallel, G 1/8 BSP parallel, 1/4" NPT and 1/8" NPT.
- Protection IP54 with CAP. 1 – CAP. 10 or IP65 with CAP. 3.

PMM



- Pressure switch with screw terminals.
- NO or NC contact without pressure.
- Pressure range from 0.1 to 300 bar.
- Temperature range from -40°C to +140°C
- Body material in brass, zinc plated steel or s.s. 316.
- Available diaphragms NBR, FKM, silicone, HNBR, neoprene, EPDM, stainless steel or ZNBR.
- Available threads G 1/8 BSP taper, G 1/4 BSP taper, M10x1 taper, M12x1.5 parallel, G 1/4 BSP parallel, G 1/8 BSP parallel, 1/4" NPT taper and 1/8" NPT taper.
- Protection IP54 with CAP. 1 or IP65 with CAP. 3.

PM250



- Pressure switch with push-on terminals 6.3x0.8. NO or NC contact without pressure.
- Pressure range from 0.1 to 300 bar.
- Temperature range from -40°C to +140°C.
- Body material in brass, zinc plated steel or s.s. 316.
- Available diaphragms NBR, FKM, silicone, HNBR, neoprene, EPDM, stainless steel or ZNBR.
- Available threads G 1/8 BSP taper, G 1/4 BSP taper, M10x1 taper, M12x1.5 parallel, G 1/4 BSP parallel, G 1/8 BSP parallel, 1/4" NPT and 1/8" NPT.
- Protection IP54 with CAP. 1 or IP65 with CAP. 3.

MPS



- Modular adjustable pressure switch.
- Body material in brass or s.s. 316.
- Pressure range from 0.5 to 80 bar.
- Temperature range from -40°C to +140°C.
- Available diaphragms FKM, silicone, HNBR, EPDM or ZNBR.
- Available threads G 1/8 BSP taper, G 1/4 BSP taper, G 1/4 BSP parallel and G 1/8 BSP parallel.
- SPDT electrical contact.
- Electrical connector Fast-on / DIN 43650 / M12 / Deutsch.

MS-PS



- Diaphragm and piston pressure switch with 6.3x0.8 push-on terminals.
- SPDT contact.
- Pressure range from 0.2 to 300 bar.
- Temperature range from -40°C to +140°C.
- Body material in brass, zinc plated steel or s.s. 316.
- Available diaphragms FKM, HNBR, silicone, EPDM, neoprene or stainless steel or ZNBR.
- Available threads G 1/8 BSP taper, G 1/4 BSP taper, M10x1 taper, M12x1.5 parallel, G 1/4 BSP parallel, G 1/8 BSP parallel, 1/4" NPT and 1/8" NPT.
- Protection IP54 with CAP. 16 or IP65 with CAP. 13.

PSM-PSP...CE



- Diaphragm and piston pressure switch for manifold mounting.
- SPDT contact.
- Pressure range from 0.2 to 300 bar.
- Temperature range from -25°C to +140°C.
- Body material in zinc plated steel.
- Available diaphragms NBR, FKM or HNBR.
- Protection IP65.

PSM-PSP



- Pressure switch with SPDT contact.
- Pressure range from 0.2 to 300 bar.
- Temperature range from -40°C to +140°C.
- Body material in brass, zinc plated steel or s.s. 316.
- Available diaphragms NBR, FKM, silicone, HNBR, neoprene, EPDM, stainless steel or ZNBR.
- Available threads G 1/8 BSP taper, G 1/4 BSP taper, M10x1 taper, M12x1.5 parallel, G 1/4 BSP parallel, G 1/8 BSP parallel, 1/4" NPT and 1/8" NPT.
- Protection IP65.

PDE



- Differential pressure switch – Clogging indicator.
- SPDT contact.
- Switching pressure 2 / 5 / 7 / 8 bar.
- Temperature range from -25°C to +140°C.
- Body material in brass.
- Available diaphragms FKM or HNBR.
- Available threads G 1/2, M22x1.5 and M20x1.5.
- Hysteresis ≤ 30% of set-point value.
- Protection IP67.

PMC - PPC - PPCF



- Diaphragm and piston pressure switch with SPDT contacts.
- Pressure range from 0.2 to 300 bar.
- Temperature range from -30°C to +140°C.
- Body material in anodized aluminium.
- Available diaphragms NBR, FKM, silicone, HNBR, neoprene and EPDM.
- Available threads G 1/8 BSP taper and G 1/4 BSP taper.
- Hysteresis ≤ 30% of set-point value.
- Protection IP65.

PML-PPL



- Diaphragm and piston pressure switch with SPDT contacts.
- Pressure range from 0.5 to 350 bar.
- Temperature range from -30°C to +140°C.
- Body material in anodized aluminium.
- Available diaphragms NBR, FKM, silicone or HNBR.
- Available threads G 1/4 BSP female.
- Protection IP65.

PHC



- Pressure switch for low pressure.
- NO or NC contact without pressure or SPDT contact.
- Pressure range from 35 to 6200 mbar.
- Temperature range from -40°C to +120°C.
- Body material in brass or s.s. 316.
- Available diaphragms teflon or EPDM.
- Available threads G 1/8 BSP taper, G 1/4 BSP taper, G 1/4 BSP parallel, G 1/8 BSP parallel, 1/4" NPT and 1/8" NPT.
- Protection IP54 with CAP. 30 (push-on) - CAP. 31 (screws).

PSK



- Pressure switch with graduated knob.
- Pressure range from 1 to 360 bar.
- Temperature range from -25°C to +140°C.
- Body material in yellow anodized aluminium.
- Available diaphragms NBR, HNBR or FKM.
- Available threads G 1/4 BSP female.
- Hysteresis ≤ 8% of set-point value.
- Protection IP65.

PHP



- Adjustable high-performance pressure switch.
- NO or NC contact.
- Temperature range from -5°C to +200°C.
- Body material in brass or s.s. 316.
- Available diaphragm tetrafluoroethylene propylene.
- Available threads G 1/8 BSP taper, G 1/4 BSP taper, M10x1 taper, M12x1.5 parallel, G 1/4 BSP parallel, G 1/8 BSP parallel, 1/4" NPT and 1/8" NPT.
- Protection IP54 with CAP. 1 and CAP. 10 or IP65 with CAP. 3.

PRESSURE TRANSDUCERS

PTE - PTL - PTH - EPX02



PTE PTL PTH EPX02

- Pressure transducers.
- Pressure range from 1 to 1000 bar.
- Temperature range from -25°C to +125°C.
- Body material in stainless steel 316.
- Sensor material ceramic Al203 96% or silicone.
- Available diaphragm NBR or polyurethane.
- Available threads G 1/4 BSP parallel or G 1/8 BSP parallel.
- Accuracy up to 0.1% E.S.
- Protection IP65 or IP67.

ACCESSORIES AND PROTECTIONS FOR PRESSURE AND VACUUM SWITCHES

- Wide range of protection caps IP54 - IP65 - IP67 degree, Deutsch - AMP - Delphi connectors and DIN plugs with transparent housing and red/green LED.

VACUUM SWITCHES

VCN



- Vacuum switch with push-on terminals 6.3x0.8.
- NO or NC contact without pressure.
- Pressure range from -200 to -900 mbar.
- Temperature range from -30°C to +140°C.
- Body material in brass or s.s. 316.
- Available diaphragms NBR, FKM, silicone, HNBR or EPDM.
- Available threads G 1/8 BSP taper, G 1/4 BSP taper, M10x1 taper, M12x1.5 parallel, G 1/4 BSP parallel, G 1/8 BSP parallel, 1/4" NPT and 1/8" NPT.
- Protection IP54 with CAP. 1 – CAP. 10 or IP65 with CAP. 3.

VCM



- Vacuum switch with screw terminals.
- NO or NC contact without pressure.
- Pressure range from -200 to -900 mbar.
- Temperature range from -30°C to +140°C.
- Body material in anodized aluminium.
- Available diaphragms NBR, HNBR, FKM, silicone, neoprene and EPDM.
- Available threads G 1/8 BSP taper, G 1/4 BSP taper, M10x1 taper, M12x1.5 parallel, G 1/4 BSP parallel, G 1/8 BSP parallel, 1/4" NPT and 1/8" NPT.
- Protection IP54 with CAP. 1 – CAP. 10 or IP65 with CAP. 3.

VS



- Diaphragm vacuum switch.
- SPDT contact.
- Pressure range from -200 to -900 mbar.
- Temperature range from -30°C to +140°C.
- Body material in brass or s.s. 316.
- Available diaphragms NBR, FKM, silicone or HNBR.
- Available threads G 1/8 BSP taper, G 1/4 BSP taper, M10x1 taper, M12x1.5 parallel, G 1/4 BSP parallel, G 1/8 BSP parallel, 1/4" NPT and 1/8" NPT.
- Protection IP54 with CAP. 16 or IP65 with CAP. 13.

VMC



- Adjustable vacuum switch with SPDT contacts.
- Pressure range from -200 to -900 mbar.
- Temperature range from -5°C to +140°C.
- Available diaphragms NBR, HNBR, FKM, EPDM, silicone and neoprene.
- Available threads G 1/4 BSP taper.
- Hysteresis ≤ 30% of set-point value.
- Protection IP65.

VSM



- Adjustable vacuum switch with DIN 43650 connector, brass or s.s. 316 body.
- Available diaphragms NBR, HNBR, FKM, silicone, neoprene and EPDM.
- Adjustment range from -100 to -900 mbar.
- Temperature range from -30°C to +140°C.
- SPDT contacts, max. rated 6 A / 250 VCA.
- Protection IP65.

SPECIAL EXECUTIONS - WATERPROOF IP67 PRESSURE SWITCHES

- Development of special solutions upon customer request.
- Factory calibration and sealing.





TEMPERATURE SWITCHES

- Temperature switch with fixed set-point, push-on terminals, with stem or integrated power relay.
- NO, NC or SPDT contact.
- Switching temperature from +25°C to +125°C.
- Body material in aluminium or brass.
- Available threads G 3/8" parallel, G 1/2 parallel, M14x1.5 parallel, M22x1.5 parallel, 1/4 NPT or G 1/4" parallel.



NTR



TCR



EBT



TER



TBG



TBF EVO

LEVEL SWITCHES AND LEVEL SENSORS

- Working range from 65 to 2500 mm.
- Material anodized aluminium, brass, stainless steel and PVC.
- From 1 to 4 contacts NO, NC and SPDT.
- Explosion proof or intrinsically safe.
- Electric protection IP65 or IP67.



GRL



LM3/4 GSA - GA - GTA



LM1/2 TIA - GTIA EP LMM1 TIA - GTIA EP



LM1/2 A - FA - TA LMM1 A - FA - TA

FLOW METERS AND FLOW SWITCHES

- Available with aluminium, brass, stainless steel 304 or acrylic bodies.
- Flow rate from 0.1 to 750 LPM.
- Working temperature from -10°C to +100°C.
- Maximum pressure from 10 to 300 bar.
- One or two NO or SPDT adjustable contacts.



FPR



IF...VE - IF...V2E



TFM...V



FMP...V / FMP...VR

Wide range of available products.
Contact us for more information.

ELETTROTEC

TRADITION AND INNOVATION ON CONTROL DEVICES FOR FLUIDS



Elettrotec manufactures control devices for fluids. The experience and skills acquired over the years allow us to offer to the market a wide range of solutions adapted to every single customer, according to the highest production standards, with an interest in continuous improvement with customer needs and market evolution.

Nowadays Elettrotec is highly qualified in important fields:
hydraulics, pneumatics, lifts, earth-moving machinery, lubrication, automation, chemical, food, agriculture machinery, machine tools, pharmaceutical, marine, electro-medical, cosmetics, railways and fire extinguishing system.

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Product Overview - ENG-04-26

ELETTROTEC®
CONTROL DEVICES FOR FLUIDS

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