

Data sheet

Pressure switch and thermostat Types KP and KPI



The KP and KPI pressure switches and thermostats are used for control, monitoring and alarm systems in a wide variety of industry applications.

KP pressure switches are mainly used for gaseous fluid whereas KPI pressure switches are more for liquid and gaseous fluid.

The KP pressure range include special designed pressure switches and limiters for steam boilers and other heating applications.

For water pump control and protection (dry run) the dual pressure switch KP44 is suitable and secure improved life time of the water pump.

Features

- Wide setting range,
- Shock and impact resistant,
- Snap action electrical contacts minimize chatter, bounce, and wear, and ensure long term electrical and mechanical reliability,
- Small dimensions. Space saving – easy to install in panels,
- Electrical connection from front of the unit makes rack mounting easier and also saves space,
- Suitable for alternating current and direct current,
- Single pressure switches and thermostats are fitted with a single pole double throw contact system (SPDT),
- Can be used for both liquids and gases (KPI),
- Manual trip function enables electrical connections verification without any tools or pressure changes in the application,
- Versions with automatic and manual reset available.

Approvals

CE-marked in accordance with LVD 2006/95/EC: EN 60947-1, EN 60947-4-1, EN 60947-5-1 Underwriters Laboratories Inc., UL

China Compulsory Certificate, CCC (excluding boiler versions) GOST (excluding KPI)

Ordering

Pressure switch, types KP 35 and KP 36

Type	Setting range p _e [bar]	Differential [bar]	Permissible operating pressure p _e [bar]	Max. test pressure [bar]	Pressure connection	Contact material	Code no.
KP 35	-0.2 – 7.5	0.7 – 4.0	17	22	G 1/4 A	silver ⁴⁾	060-113366 060-113391 ¹⁾
	-0.2 – 7.5	0.7 – 4.0	17	22	G 1/4 A	gold-plated	060-504766
	-0.2 – 7.5	0.7 – 4.0	17	22	G 1/4 A	silver ⁴⁾	060-538666 ²⁾
	-0.2 – 7.5	0.7 – 4.0	17	22	G 1/4 A	silver ⁴⁾	060-450366 ³⁾
KP 36	2.0 – 14.0	0.7 – 4.0	17	22	G 1/4 A	gold-plated	060-110866 060-110891 ¹⁾
	2.0 – 14.0	0.7 – 4.0	17	22	G 1/4 A	silver ⁴⁾	060-113766
	2.0 – 14.0	0.7 – 4.0	17	22	G 1/4 A	silver ⁴⁾	060-538766 ²⁾
	4.0 – 12.0	0.5 – 1.6	17	22	G 1/4 A	gold-plated	060-122166
	4.0 – 12.0	0.5 – 1.6	17	22	G 1/4 A	silver ⁴⁾	060-114466
	4.0 – 12.0	0.5 – 1.6	17	22	G 1/4 A	silver ⁴⁾	060-450166 ³⁾

¹⁾ Available only in Asia market

²⁾ IP55 transparent enclosure

³⁾ Stainless steel version, IP55 non-transparent enclosure

⁴⁾ Silver Cadmium Oxide

Pressure switch, types KPI 35 – KPI 38

Type	Setting range p _e [bar]	Differential [bar]	Permissible operating pressure p _e [bar]	Max. test pressure [bar]	Pressure connection	Contact material	Code no.
KPI 35	-0.2 – 8.0	0.4 – 1.5	18	18	G 1/4 A	silver ¹⁾	060-121766
	-0.2 – 8.0	0.4 – 1.5	18	18	G 1/4 A	gold-plated	060-316466
	-0.2 – 8.0	0.5 – 2.0	18	18	G 1/4 A	silver ¹⁾	060-121966
	-0.2 – 8.0	0.4 – 1.5	18	18	G 1/4 A	silver ¹⁾	060-315766 ²⁾
KPI 36	4.0 – 12.0	0.5 – 1.6	18	18	G 1/4 A	silver ¹⁾	060-118966
	4.0 – 12.0	0.5 – 1.6	18	18	G 1/4 A	gold-plated	060-113866
	2.0 – 12.0	0.5 – 1.6	18	18	G 1/4 A	silver ¹⁾	060-316966
	2.0 – 12.0	0.5 – 1.6	18	18	G 1/4 A	silver ¹⁾	060-319366 ³⁾
KPI 38	8.0 – 28.0	1.8 – 6.0	30	30	G 1/4 A	silver ¹⁾	060-508166
	8.0 – 28.0	1.8 – 6.0	30	30	G 1/4 A	silver ¹⁾	060-541866 ³⁾

¹⁾ Silver Cadmium Oxide

²⁾ IP55 transparent enclosure

³⁾ IP55 non-transparent enclosure