

ELECTRONIC PRESSURE SWITCH R6 SERIES



Technical features:

Body: 30x30mm square in tropicalized carbon steel

Assembly: in every position

Maximum dimension (L =width max, H =height max):

L 48 mm x H 77 mm

Fluid connection port: in tropicalized carbon steel Working temperature: from - 20°C to + 70°C

Switching frequency: 200 cycles/min.

Operating point: adjustable through key situated on the electric

connector

Switching accuracy: ± 1,5% of the pressure settled at 20°C **Hysteresis value:** adjustable gap between 2% and 90% of the

settled value Weight: 0,1 Kg

Mechanical life: 2x10⁶ cycles at 20°C

Electric features:

- Maximum load: 1 Ampere at 24 Volt DC (see dedicated page)

- Electric contacts NA or NC

 Electric connection according to DIN 43650 with prewired cable with 1m. length

Electric protection according to DIN40050: IP65
 Power supply: standard from 10 to 24 VDC

- Medium consumption: 10 mA

Warranty: see dedicated page
Spare parts: see dedicated page
Using instructions: see dedicated page

HOW TO ORDER R6... Switching P Hydraulic Body Type of Preset value Preset value Type of electric Type pressure connection Material execution P max P min connection max range Bar Bar Only Bar Bar R60.1 0.1 > 1.87 C **M5** Version Connector with light X **R60** 0.5 > 412 AISI316L signal of insertion with NC and 1,5 > 925 **R61** integrated push contacts ¹/₄" BSPM Indicate the Indicate the button for **R62** 2 > 1850 L male **BRASS** value if value if immediate and R63 5 > 40200 needed needed intuitive setting If omitted thresholds **R65** 10 > 160 350 means version body in with **M3 R67** 30 > 360500 zinc plated NA Standard connector contacts with thresholds 600 **R69** 70 > 500 preset in our factory

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X5

Technical features:

Body: 30x30 mm square in anodised aluminium

Assembly: in every position

Maximum dimension (L =width max, H =height max):

L 70mm x H 100mm

Fluid connection port: in Aisi 316L stainless steel Working temperature: from - 20°C to + 70°C

Switching frequency: 200 cycles/min

Switching accuracy: ± 1,5% of the pressure settled to 20°C **Operating point:** adjustable through an internal potentiometer

protected by a safety cap

Hysteresis value: adjustable gap between the 2% and the 45%

of the value **Weight:** 0,2 Kg

Mechanical life: 2x10⁶ cycles at 20°C

Electric Features:

- Maximum load: 1,5 Ampère at 24 Volts DC (see dedicated page)

- Exchange contacts NA and NC

Electric connection according to DIN 43650
 Electric protection according to DIN 40050: IP65
 Power supply: 24 VDC (on request 12 VDC)

Medium consumption: 20 mA

Warranty: see dedicated page

Spare parts: see dedicated page

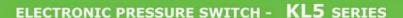
Also available:

- Electric connectors with light signal of insertion

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	HOW TO ORDER										
		X5	/	<u> </u>	Ť	Ψ,	<u> </u>				
Туре	Switching pressure range	P max	Hydraulic Connection	Preset value	Preset value	Type of execution	Type of Electric Connection				
	Bar	Bar	Only	Bar	Bar						
X50	0.15 > 2	7									
X51	2 > 15	50				12V special execution	M4				
X53	5 > 45	200	1/4" BSP female	Indicate the value if	ndicate the Indicate the		Electric connector with light signal of insertion				
X55	10 > 160	350	Terriale	needed				1	needed	if omitted means	If omitted means
X57	30 > 360	500				standard execution	standard connector				
X59	70 > 500	600									









KL5

Technical features:

Body: in anodised aluminium

Fluid connection port: in Aisi 316L stainless steel

Assembly: in every position

Maximum dimension (L =width max, H =height max):

L 76mm x H 122mm

Working temperature: from - 20°C to + 80°C

Switching frequency: 200 cycles/min

Switching accuracy: ± 1% of the pressure settled to 20°C **Hysteresis value**: adjustable gap between the 2% and the 95%

of the settled value **Weight:** 0,38 Kg

Mechanical life: 10x10⁶ cycles at 20°C

Electric Features:

- Standard power supply: 24 V DC +/-10% (on request 12 V DC)

Electric connection according to DIN 43650
 Electric protection according to DIN 40050: IP65
 Maximum contact load: 2 Ampère at 24 Volts DC

Medium consumption: 20 mA
 Involatile memory: EEPROM
 Warranty: see dedicated page
 Spare parts: see dedicated page

Also available:

- **KLW5** version for pressures lower than the atmospheric one with switching range from 0 bar to −1 bar

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HOW TO ORDER										
<u>KL5.</u> / . /										
Туре	Switching pressure range	P max	Hydraulic Connection	Preset value	Preset value	Type of execution				
	Bar	Bar	Only	Bar	Bar					
KLW5	-1 > 0	1	1/ ₄ " BSP							
KL50	0.15 > 2	7	female		Indicate the value if needed	12V special execution				
KL51	1 > 10	25	or connection to a	Indicate the value if		Special energia				
KL52	2 > 20	50	Cetop panel	needed						
KL55	10 > 200	500	without any adaptors			if omitted means				
KL59	20 > 400	600	any adaptors			standard execution				

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KTR5

Technical features:

Body: in anodised aluminium

Fluid connection port: in Aisi 316L stainless steel

Assembly: in every position

Maximum dimension (L =width max, H =height max):

L 75mm x H 153mm

Working temperature: from - 20°C to + 80°C

Switching frequency: 120 cycles/min

Switching accuracy: \pm 1% of the pressure settled to 20°C **Range of the adjustment:** from 0% to 100% of the end of

scale value

Hysteresis value: adjustable gap between the 3% and the

40% of the settled value

Weight: 0,45 Kg

Mechanical life: 2x10⁶ cycles at 20°C

Electric Features:

- Power supply: 24V AC/DC +/-10%

- Electric connection according to DIN 43650

- Electric protection according to DIN 40050: IP65

- Maximum contact load: 10 Ampère at 24 Volts DC

5 Ampère at 250 Volts AC

Medium consumption: 20 mA
 Warranty: see dedicated page
 Spare parts: see dedicated page

CE

	HOW TO ORDER									
KTR5. / . /										
Туре	Switching pressure range	P max	Hydraulic Connection	Preset value	Preset value	Type of execution				
	Bar	Bar	Only	Bar	Bar					
KTR50	0.2 > 2	7	1/4" BSP							
KTR51	1 >10	25	female or		Indicate the value if needed	12V special execution				
KTR55	10 > 200	500	connection to a Cetop	Indicate the value if needed						
KTR59	20 > 400	600	panel without			if omitted emans				
KTR59.6	40 > 600	800	any adaptors			standard execution				







KLV5

Technical features:

Body: in anodised aluminium

Fluid connection port: in Aisi 316L stainless steel

Assembly: in every position

Maximum dimension (L =width max, H =height max):

L 80mm x H 115mm

Display: no 3 numbers of 7 mm

Working temperature: from - 20°C to + 80°C

Switching frequency: 200 cycles/min

Switching accuracy: ± 1% of the pressure settled to 20°C **Range of the adjustment:** from 0% to 100% of the end of

scale value

Hysteresis value: adjustable gap between the 2% and the

90% of the settled value

Weight: 0,45 Kg

Mechanical life: 2x10⁶ cycles at 20°C

Electric Features:

- Standard power supply:24 V DC +/-10% (on request 12 V DC)

- Electric connection according to DIN 43650

- Electric protection according to DIN 40050: IP65

- Maximum contact load: 2 Ampère at 24 Volts DC

Medium consumption: 20 mA
 Involatile memory: EEPROM
 Warranty: see dedicated page
 Spare parts: see dedicated page

Also available:

- **KLVW5** version for pressures lower than the atmospheric one

with switching range from 0 bar to -1 bar

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	HOW TO ORDER									
	<u>KI</u>	LV5.	. / .	<u>'</u>						
Туре	Switching pressure range	P max	Hydraulic Connection	Preset value	Preset value	Type of execution				
	Bar	Bar	Only	Bar	Bar					
KLVW5	- 1 > 0	1				* 40000				
KLV50	0.2> 5	12				12V special				
KLV51	1 >10	25	4 000000	Indicate the value	Indicate the value	execution				
KLV52	2 > 20	50	1/ ₄ " BSP female	if						
KLV55	10 > 200	500		needed	needed					
KLV59	20 > 400	600				if omitted means standard				
KLV59.6	40 > 600	700				execution				





ELECTRONIC PRESSURE SWITCH WITH 4 RANGES AND ADJUSTABLE HYSTERESIS **FX5** SERIES



FX5

Electronic pressure switch with 4 ranges and adjustable hysteresis

+ ON REQUEST



KD5P

Visualizer and programmer dedicated (see next page)

Technical Features:

Body: in anodized aluminium

Fluid port connection: in Aisi 316L stainless steel

Assembly: in every position

Maximum dimension (L =width max, H =height max):

L 75mm x H 110mm

Working temperature: from - 10°C to + 70°C

Switching frequency: 200 cycles/min

Switching accuracy: ± 1% of the pressure settled

Adjustment of the 4 ranges: from 0% to 100% of the end of

scale value

Hysteresis value differentiable for every range : adjustable

gap between the 2% and the 98% of the settled value

Weight: 0,38 Kg

Mechanical life: 10x10⁶ cycles at 20°C

Electric Features:

- Standard power supply: 12/28 V DC

- Electric connection according to DIN 43650

- Electric protection according to DIN 40050: IP65
- Maximum contact load: 1 Ampère at 24 Volts DC
- Medium consumption : 20mA
 Involatile memory: EEPROM
 Warranty: see dedicated page
 Spare parts: see dedicated page

Also available:

- **FXW5** version for pressures lower than the atmospheric one with switching range from 0 bar to −1 bar
- Connection with KD5P visualizer with which it realize a perfect symbiosis

C € € II 3 G/D EEx e T6

HOW TO ORDER FX5. / P1max - P1min / P2max - P2min / P3max - P3min / P4max - P4min / Switching Р Hydraulic Preset Preset Preset Preset Preset Preset Preset Preset Type pressure P1 max P1 min P2 max P2 min P3 max P3 min P4 max P4 min max connection range Bar Bar Only Bar Bar Bar Bar Bar Bar Bar Bar 1/4" BSP FX50 0 > 27 female 25 FX51 1 > 10 connection Indicate the values preset FX54 5 > 100250 to a Cetop by our technicians in our factory if needed panel FX55 10 > 200500 without any 20 > 400 FX59 adaptors 600



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KD5P

Visualizer and programmer dedicated exclusively to the FX5 pressure switch

By this instrument it's possible to set in an easy and exact way all the 4 alarm ranges and the relative adjustable hysteresis of the electronic pressure switch FX5 series as well as to visualize in real time the pressure (or the temperature or the capacity to whom is working the instrument)

Technical features:

Body: in anodised aluminium

Assembly: fixed to panel - hole of Ø 63 mm Maximum dimension: - Ø 77mm dial - 30mm depth

Working temperature: from - 10°C to + 70°C

Display: no 4 numbers of 13 mm Visualization: from -1999 to 9999

Weight: 0,1 Kg **Electric Features:**

- Power supply: given by the link with a serial connection to the FX5 pressure switch (equipped with an electric cable of

1.5 m of length)

- Medium consumption: 50 mA - Electric protection: IP65

- Stocking temperature: from -20°C to +80°C

Warranty: see dedicated page Spare parts: see dedicated page

Also available:

- KD5T: execution for the setting of the alarm linked together with electronic temperature measure instruments (°C or °F)

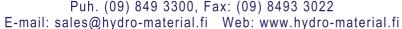
- KD5F: linked together with electronic capacity measure instruments (I/min)

ACCESSORY FOR THE ELECTONIC PRESSURE SWITCH FX5 SERIES



HOW TO ORDER									
	<u>KD5.</u>								
Туре	Type Application Measure field Display numbers								
KD5P	pressure								
KD5T	temperature	FX5 series	4 numbers of 13 mm						
KD5F	capacity								

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Technical features:

Body: in anodised aluminium **Fluid connection port**: in brass

Assembly: fixed to panel - hole of Ø 63 mm

Maximum dimension: - 80 mm of depth

- Ø 69 mm dial

Working temperature: from - 20°C to + 80°C

Display: n° 4 numbers of 7 mm **Switching frequency:** 90 cycles/min

Switching accuracy: ± 1% of the end of scale

Range of the adjustment: from 1% to 90% of the end of

scale value

Weight: 0,15 Kg

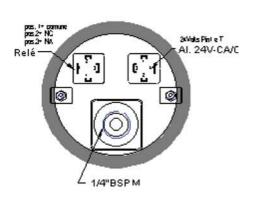
Mechanical life: 2x10⁶ cycles at 20°C

Electric Features:

Power supply: standard 24 V DC ±10%
 Electric connection: according to DIN 43650
 Electric protection: according to DIN 40050: IP65

Maximum load: 2 Ampère
 Medium consumption: 20 mA
 Involatile memory: EEPROM
 Warranty: see dedicated page
 Spare parts: see dedicated page

Also available: - execution with separated relay



CE

	HOW TO ORDER									
KRD5. / . /										
Туре	Adjustment Range	P max	Hydraulic Connection	P max Setting	P min Setting	Type of execution				
	Bar	Bar	Only	Bar	Bar					
KRD50	0.2>2	7				S				
KRD51	1 >10	25				means special execution with				
KRD54	5 > 100	250	¹ / ₄ " BSP male	Indicate the value if needed	Indicate the value if	separated relay				
KRD55	10 > 200	500	14 BOF IIIale		needed	if omitted				
KRD59	20 > 400	600				means standard execution				
KRD59.6	40 > 600	700				CACCULION				

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ED5

It operates in linking together with TR4 or TR5 transducer.
It execute the function of n.4 pressure switches with adjustable hysteresis and of n.1 manometer

CE

Also Available: ED5V only display device

Technical features:

Body: in ABS

Assembly: fixed to panel dimensions 72mm x 36mm

Maximum dimensions: 100 mm of depth Alarm range: n° 3 with exchange contacts

nº 1 with NC contact

Working temperature: from - 20°C to + 70°C

Display: n° 4 numbers of 13 mm **Linearization:** 9 control points **Visualization:** from –999 to 9999 **Decimal point:** programmable

Weight: 0,07 Kg

Mechanical life: 2x10⁶ cycles at 20°C

Electric Features:

- Power supply: from 19 to 29 Volt DC

from 15 to 20 Volt AC

Output: 17 Volt DC for connection to TR4 or TR5Electric connection: according to DIN 43650

- Electric protection: according to DIN 40050: IP65

 Power consumption without relay: 120 mA with relay: 200 mA

- Stocking temperature: from -40°C to +90°C

P2max - P2min / P3max - P3min / P4max - P4min /

- Input: nº 1

- Outputs: n° 3 relays 3A/250V + n° 1 NC/100 mA

Input impedance: 100 Ohm
 Involatile memory: EEPROM
 Warranty: see dedicated page
 Spare parts: see dedicated page
 Using instructions: see dedicated page

HOW TO ORDER

Туре	Switching pressure range	Setting P1 max	Setting P1 min	Setting P2 max	Setting P2 min	Setting P3 max	Setting P3 min	Setting P4 max	Setting P4 min
	Bar	Bar	Bar	Bar	Bar	Bar	Bar	Bar	Bar
		-0.0							

ED50.1 0 > 2**ED50** 0 > 5**ED51** 0 > 10 ED52 0 > 20**ED53** 0 > 500 > 100**ED54** ED55 0 > 200**ED59** 0 > 400ED59.6 0 > 600

Indicate the values preset by our technicians in our factory if needed

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KD5

It operates in linking together with TR4 or TR5 transducer or other with output signal 4-20 mA, 0-20 mA o 0-10V

It execute the function of n.2 pressure switches with adjustable hysteresis and of n.1 manometer

Technical Features:

Body: in anodized aluminium

Assembly: fixed to panel with hole of 63 mm **Minimum dimensions:** 85 mm of depth **Working temperature:** from - 20°C to + 70°C

Display: n°4 numbers of 13mm **Linearization**: 9 points of control **Visualization**: from 0 to 999 **Decimal Point**: programmable

Weight: 0,13 Kg

Mechanical life: 2x10⁶ cycles at 20°C

Electric Features:

- Power input: from 22 to 29 Volt DC

from 16 to 21 Volt AC

- Exit: 17Volts DC for connection with TR4 or TR5

- Electric connection according to DIN 43650

- Electric protection according to DIN 40050: IP65

- Power consumption without relay: 120 mA

- Power consumption with relay: 200 mA

- Stocking temperature : from -40°C to +90°C

- Input: nº 1

Output : n° 2 relays 3A/24V
 Input impedance : 100 Ohm
 Involatile memory : EEPROM
 Warranty: see dedicated page

Spare parts: see dedicated page

Using instructions: see dedicated page

Also Available:

CE

- KD5D with n.2 input for differential pressure measures

		KD5L	with n.2 input for	differential pressure	e measures				
	HOW TO ORDER								
	<u>KD5.</u>	/ <u>P1max</u> -	P1min / F	P2max - P2min	/				
Туре	Switching pressure range	Setting P1 max	Setting P1 min	Setting P2 max	Setting P2 min				
	bar	bar	bar	bar	bar				
KD50.1	0 > 2								
KD50	0 > 5								
KD51	0 >10								
KD52	0 > 20		Indicate the	values preset					
KD53	0 > 50			our factory if needed					
KD54	0 > 100								
KD55	0 > 200								
KD59	0 > 400								
KD59.6	0 > 600								

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