

J21K-140, J21K-150, J21K-232, J21K-254, J21K-357

Реле перепада давления с герметичными металлическими сильфонами серии J21K. Технические характеристики.



По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Астана +7(7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93



J21K Series

J21K Series

OVERVIEW

The J21K differential pressure switch monitors the difference between two system pressures or vacuums, senses excessive flow deviation, or verifies that a filter is clogged. It is designed with two separate, opposing sensors which are connected by a rod to actuate the snap switch.

The J21K's rugged design - with epoxy coated enclosure and sealed metal bellows - lends itself to exacting applications. Widely used in refrigeration (chiller) and compressor applications, the J21K can be used for filter status monitoring and proof of flow.

FEATURES

- Designed to meet Enclosure type 4X (with watertight conduit fitting)
- United States & Canadian UL approval and European ATEX and Russian Gosgortekhnadzor compliance
- Optional adjustable deadband
- Single switch output
- Opposing bellows design



J21K-150 differential pressure switch
with nickel-plated brass pressure
connections and brass bellows

J21K-254 differential pressure switch
with brass pressure connections and
phosphor bronze bellows

SPECIFICATIONS

STORAGE TEMPERATURE	-65 to 160°F (-54 to 71°C)
AMBIENT TEMPERATURE LIMITS	-40 to 160°F (-40 to 71°C); Set point typically shifts less than 1% of range for a 50°F (28°C) ambient temperature change
SET POINT REPEATABILITY	±1% of adjustable range
SHOCK	Set point repeats after 15 G, 10 millisecond duration
VIBRATION	Set point repeats after 2.5 G, 5-500 Hz
ENCLOSURE	Die cast aluminum, epoxy powder coated, gasketed
ENCLOSURE CLASSIFICATION	Designed to meet enclosure type 4X requirements with M900 option (watertight conduit fitting)
SWITCH OUTPUT	One SPDT snap action switch; switch may be wired "normally open" or "normally closed"
ELECTRICAL RATING	15 A 125/250/480 VAC resistive. Electrical switches have limited DC capabilities. Consult factory for additional information.
WEIGHT	Approximately 2 lbs. (0.90 kg.)
ELECTRICAL CONNECTION	7/8" diameter conduit hole
PRESSURE CONNECTION	Models 127-150, 232-254, 357: 1/4" NPT (female); models S127B-S150B: 1/2" NPT (female)

MODEL CHART

Model	Adjustable Set Point Range		Deadband		Differential Proof Pressure* *		Working Pressure*	
	psid (unless noted)	bar	psi (unless noted)	bar (unless noted)	psi	bar	psi (unless noted)	bar
Welded 316L stainless steel bellows with 1/2" NPT (female) pressure connections								
S127B	30 "Hg Vac to 0	-1 to 0	0.4 to 0.6 "Hg	-13,5 to -20,3 mbar	15	1.0	30 "Hg Vac to 0	-1 to 0
S140B	0 to 6	0 to 0,4	0.1 to 0.4	6,9 to 27,6 mbar	6	0,4	30 "Hg Vac to 30	-1 to 2,1
S150B	0 to 40	0 to 2,8	0.3 to 0.7	20,7 to 48,3 mbar	300	20,7	30 "Hg Vac to 300	-1 to 20,7
316L welded stainless steel bellows with 1/4" NPT (female) pressure connections								
357	0 to 70	0 to 4,8	2 to 4	0,1 to 0,3	70	4,8	30 "Hg Vac to 350	-1 to 24,1
Brass bellows with 1/4" NPT (female) pressure connections								
127	30 "Hg Vac to 0	-1 to 0	0.4 to 0.6 "Hg	-13,5 to -20,3 mbar	15	1.0	30 "Hg Vac to 0	-1 to 0
140	0 to 6	0 to 0,4	0.1 to 0.4	6,9 to 27,6 mbar	6	0,4	30 "Hg Vac to 30	-1 to 2,1
150	0 to 40	0 to 2,8	0.3 to 0.7	20,7 to 48,3 mbar	40	2,8	30 "Hg Vac to 180	-1 to 12,4
Phosphor bronze bellows with 1/4" NPT (female) pressure connections								
232	0 to 25	0 to 1,7	0.6 to 1	41,4 to 68,9 mbar	25	1,7	30 "Hg Vac to 110	-1 to 7,6
254	0 to 90	0 to 6,2	2 to 4	0,1 to 0,3	90	6,2	30 "Hg Vac to 200	-1 to 13,8



J21K Series

J21K Series

HOW TO ORDER

BUILDING A PART NUMBER

Select a **Type**

Refer to the "Type" section below

Determine type number based on switch output, enclosure, adjustment and reference.

Fill in the type portion of your part number with the corresponding number.

Select a **Model**

Refer to the "Model Charts"

Determine model based on adjustable range, deadband and proof pressure.

Fill in the model portion of your part number with the corresponding number.

Select an **Option**

Refer to the "Options" section

Determine option number based on switch output, optional materials or other product enhancements.

Fill in the option portion of your part number with the corresponding number. Leave "option" portion blank if no options are needed.

FOR MULTIPLE OPTIONS: Call United Electric Controls.

TYPE	DESCRIPTION
------	-------------

Differential Pressure	Type J21K - one SPDT output, internal adjustment with no reference dial.
-----------------------	--

SWITCH OPTIONS*

0140	Gold contacts, 1 A 125 VAC resistive
0500	Close deadband, 5 A 125/250 VAC resistive
1520	Adjustable deadband, 15 A 125/250/277 VAC resistive; adjustment wheel changes rise setting only. If adjustment on fall setting is required use primary adjustment
1535	High ambient, 15 A 125/250 VAC resistive; temperatures up to 250°F (121°C)
1537	Vapor sealed switch, 15A 125/250 VAC resistive

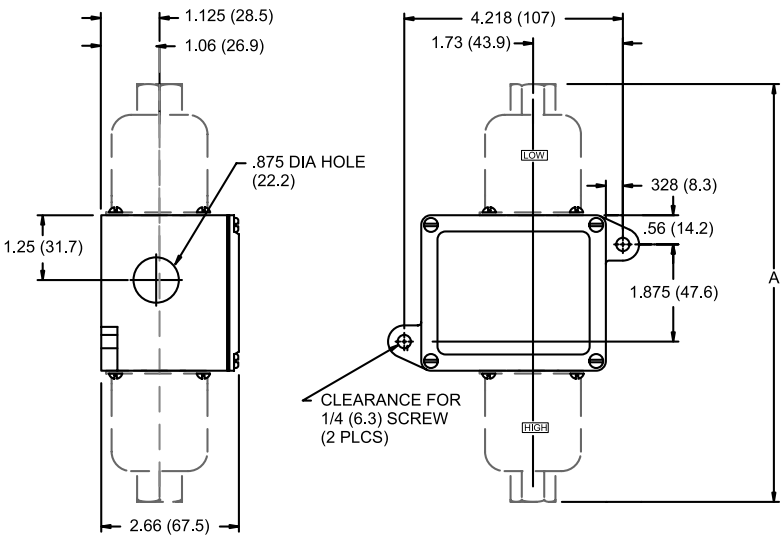
OTHER OPTIONS

M201	Factory set one switch; specify increasing or decreasing pressure and set point
M277	Range indicated on nameplate in kPa or MPa, factory selected
M278	Range indicated on nameplate in Kg/cm ²
M405	European ATEX Intrinsic Safety compliance
M406	Intrinsic safety compliance per Russian Gosgortekhnadzor
M407	CE compliance to Pressure Equipment Directive (category IV). NOT AVAILABLE MODELS 127 AND S127B
M444	Paper ID tag
M446	Stainless steel ID tag & wire attachment
M550	Oxygen service cleaning; internal construction may change. NOT AVAILABLE MODEL 254
M900	Watertight conduit fitting; converts 7/8" hole to 1/2" NPT fitting. Required for product to meet enclosure type 4X

DIMENSIONAL DRAWINGS

Type J21K

INTERNAL SET POINT ADJUSTMENT

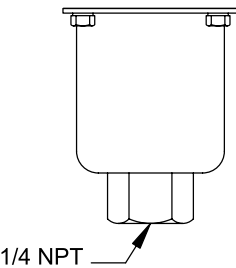


Dimension A			
Models	Inches	mm	NPT
127-150	8.06	204,7	1/4
S127B-S150B	8.86	225,0	1/2
232	6.53	165,9	1/4
254	6.50	165,1	1/4
357	6.88	174,8	1/4

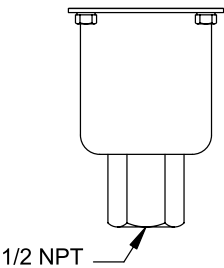
All dimensions stated in inches (millimeters)

PRESSURE SENSORS

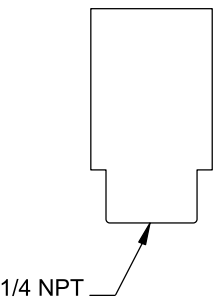
Model 127-150



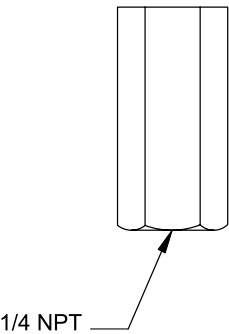
Model S127B-S150B



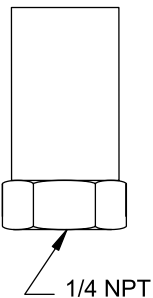
Model 232



Model 254



Model 357



По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Астана +7(7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93