

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
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
Иркутск (395)279-98-46
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
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курган (3522)50-90-47
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
Ноябрьск (3496)41-32-12

Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саранск (8342)22-96-24
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35

Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

сайт: www.honeywell.nt-rt.ru || эл. почта: hwn@nt-rt.ru

РЕЛЕ ДАВЛЕНИЯ

Технические характеристики на

EX-DCM4016, EX-DCM4025

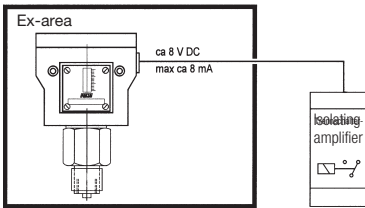
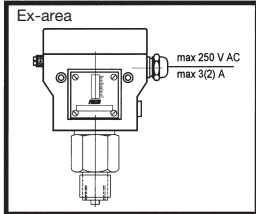




Ex devices

Pressure monitoring in explosion risk areas, Zones 1, 2 and 21, 22

Specially equipped pressure switches can also be used in explosion risk areas Zone 1, 2 and 21, 22. The following alternatives are possible:



1. Flame – proof enclosu

CE 0035 II 2G Ex db eb IIC T6
CE 0035 II 2D Ex tb IIIC IP65 T85°C

The pressure switch with can be used directly in the explosion risk area (Zones 1 and 2 or 21 and 22). The maximum switching voltage, switching capacity and ambient temperature must be taken into account and the rules for installation in the explosion risk area must be observed. Special circuits and designs with an adjustable hysteresis or internal interlock (reclosing lockout) are not possible.

Please note: Ex devices that have been ordered and already produced will not be taken back.

2. Ex-ia pressure switch

All pressure switches of normal design can be used in explosion risk areas Zones 1 and 2 or 21 and 22, if they are integrated into an "intrinsically safe circuit". Intrinsic safety is based on the principle that the control circuit in the explosion risk area carries only a small quantity of energy which is not capable of generating an ignitable spark. Isolating amplifiers must be ATEX tested and approved for use in installations in explosion risk areas. Isolating amplifiers must in any event be installed outside the Ex Zone. Pressure switches intended for Ex-ia installations are equipped with blue terminals and cable entries. In view of the low voltages and currents carried via the contacts of the microswitches, gold-plated contacts are used in the additional function Ex-ia (ZF513).

Pressure monitoring in Zones 1 (21) and 2 (22)

Flame proof enclosure
Ex-d

Intrinsically safe
D ...-513 + isolating amplifier
D ...574,576 + isolating amplifier

Ignition protection type:
CE 0035 II 2G Ex db eb IIC T6
CE 0035 II 2D Ex tb IIIC IP65 T85°C
ATEX approval for the complete switching device

Ignition protection type:
Ex-ia
ATEX approval for isolating amplifiers

Pressure switches with a silver contact

Pressure switches with gold-plated contacts, blue terminals and blue cable entry.

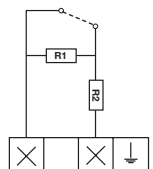
Switching capacity: max. 3 A, 250 VAC
min. 2mA, 24 VDC

Switching capacity: max. 100 mA, 24 VDC
min. 2 mA, 5 VDC

Information for devices with additional functions according to EN60079-11:2007:

ZF513 ZF574, ZF576
U_i = 24 V DC U_i = 20 V DC
I_i = 50 mA P_i = 0,6 W
R¹ = 10 kOhm, 0,6 W
R² = 1,5 kOhm, 0,6 W

L_i = insignificant
C_i = insignificant



The pressure switch can be installed within the Ex-Zone.

The isolating amplifier must be installed outside the Ex-Zone.



Ex-DNM10

Ex - DCM

II 2G Ex d e IIC T6 Gb

II 1/2D Ex ta/tb IIIC T80 °C Da/Db



SIL 2 according IEC 61508-2

Technical data

Pressure connection

External thread G 1/2 (pressure gauge connection) according to DIN 16 288 and internal thread G 1/4 according to ISO 228 Part 1.

Switching device

Robust housing (700) made of seawater-resistant diecast aluminium GD Al Si 12.

Degree of protection

IP 65, in vertical position.
Ex-DNM Metal bellows: 1.4571

Pressure sensor materials

Ex-DCM4016/ 1.4104 Diaphragm:
Ex-DCM4025 Perbunan Sensor housing: 1.4301

Mounting position

Vertically upright and horizontal. Ex-DCM 4016 and 4025 vertically upright.

Ambient temp. at switching device

-20...+60 °C

Max. medium temperature

The maximum medium temperature at the pressure sensor must not exceed the permitted ambient temperature at the switching device. Higher medium temperatures are possible provided the above limit values for the switching device are ensured by suitable measures (e.g. siphon).

Mounting

Directly on the pressure line (pressure gaugeconnection) or on a flat surface with two 4 mm Ø screws.

Switching pressure

Adjustable from outside with screwdriver.

Contact arrangement

Switching capacity	changeover switch	24 VDC
	(ohm) (ind) (ohm) (ohm)	
Ex-d	3 A 2 A 0.03 A	3 A

Product Summary

Type range	Setting	Switching differential (mean values)	Max. permissible pressure	Materials in contact with medium	Dimensioned drawing
Switching differential not adjustable					page 21 + 22
Ex-DCM4016	1...16 mbar	2 mbar	1 bar	Perbunan	3 + 11
Ex-DCM4025	4...25 mbar	2 mbar	1 bar	+ 1.430	3 + 11

For other Ex-devices, see type series VCM, DNS, DDCM, DWR, DGM.

Calibration

The **Ex-DCM/Ex-DNM** series is calibrated for falling pressure. This means that the adjustable switching pressure on the scale corresponds to the switching point at falling pressure. The reset point is higher by the amount of the switching differential. (See also page 23, 1. Calibration at lower switching point).

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
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
Иркутск (395)279-98-46
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
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курган (3522)50-90-47
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
Ноябрьск(3496)41-32-12

Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саранск (8342)22-96-24
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35

Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

сайт: www.honeywell.nt-rt.ru || эл. почта: hwn@nt-rt.ru