

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
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
Курск (4712)77-13-04
Курган (3522)50-90-47
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
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
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
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
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
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
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

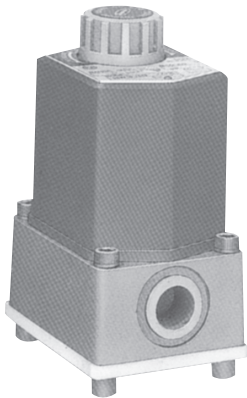
Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://toyooki.nt-rt.ru> || tik@nt-rt.ru

PRESSURE SWITCH (HW3)

PRESSURE SWITCH (HW3)



The pressure switch operates when the pressure in the hydraulic circuit reaches the preset pressure, to control electric circuits of a solenoid valve, a motor starter switch, or a signal indicating lamp, etc.

■Features

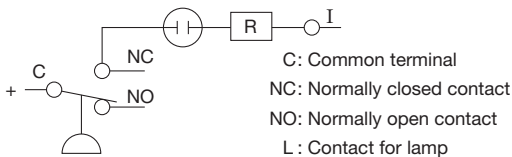
1. The pressure switch is designed for higher accuracy.
 2. Compact and light weight design assures simple pressure adjustment and wiring work.
 3. The switch operation status can be confirmed visually thanks to a neon lamp.
 4. Since it can be connected to the manifold directly by a gasket, equipment size can be reduced.
 5. Two types of subplate allow piping to the back or side face.
- Limit the hysteresis (pressure difference of ON-OFF) to no higher than 8% of maximum permissible adjustment pressure in each pressure adjustment range.
 - When a subplate SHW02-02T1 (piping to back) or SHW02-02T2 (piping to side) is necessary, please order separately.
 - When ordering a pressure switch, please specify the operating voltage in addition to the model code.

■Description of the model designation

HW3-1G0-02(-DC) (K) (-L)

Pressure switch	HW3	1	G0	02	(-DC)	(K)	(-L)	L: With lamp (for DC only) (Lamp is installed on AC type.)
Max. operating pressure		3	21	MPa				For light load
Construction category								Voltage indication No code:AC DC:DC
Piping method			G					Nominal size
								Pressure adjustment range
								0: 0.35 to 2 MPa
								1: 1.5 to 5.5 MPa
								2: 5 to 9.5 MPa
								3: 9 to 15.5 MPa
								4: 15 to 21 MPa

●Symbols used in electric circuit



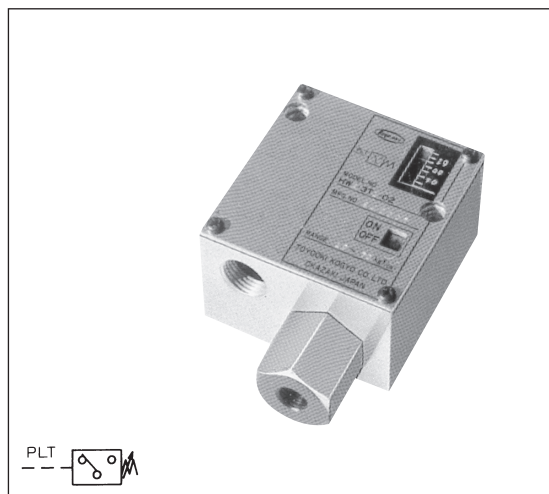
●Electric rating of micro switch

AC	125V-15A, 250V-15A, 480V-15A
DC	125V-0.5A, 250V-0.25A

■Specifications

Nominal size	Max. operating pressure (MPa)	Permissible back pressure (MPa)	Pressure adjustment range (MPa)	Model
02	21	0.03	0.35 to 2	HW3-1G0-02(-DC) (K) (-L)
			1.5 to 5.5	HW3-1G1-02(-DC) (K) (-L)
			5 to 9.5	HW3-1G2-02(-DC) (K) (-L)
			9 to 15.5	HW3-1G3-02(-DC) (K) (-L)
			15 to 21	HW3-1G4-02(-DC) (K) (-L)

PRESSURE SWITCH (HW1)



The pressure switch operates when the pressure in the hydraulic circuit reaches the preset pressure, to control electric circuits of a solenoid valve, a motor starter switch, or a signal indicating lamp, etc.

■Features

1. The pressure switch is designed to be compact and light.
2. The pressure switch can be installed easily since drain piping is not necessary.
3. The switch operating status (ON / OFF) can be confirmed through the operation check window.

■Description of the model designation

HW1-3T1-02-(L)

Pressure switch	With/without indicator lamp
Max. operating pressure	No code: Without lamp
1: 7 MPa	L: With AC indicator lamp
Construction category	DC-L: With DC indicator lamp
Piping method	Nominal size of valve
T: Rc thread	Pressure adjustment range
	0: 0.04 to 2 MPa
	1: 1 to 7 MPa

●Symbols used in electric circuit

Without indicator lamp	With lamp	
	On at pressure rise	On at pressure drop

NOTE: Either indicator lamp wiring is possible.
However, the load must always be connected to the lamp side.

■Specifications

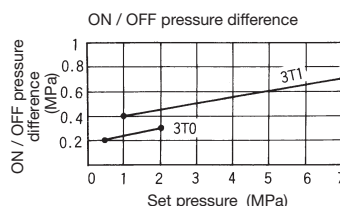
Nominal size	Max. operating pressure (MPa)	Pressure adjustment range (MPa)	Model
02	7	0.4 to 2	HW1-3T0-02 (-DC) (-L)
		1 to 7	HW1-3T1-02 (-DC) (-L)

NOTE: Model designation for a pressure switch with an indicator lamp is as shown below.
HW1-3T*-02 -L (With AC indicator lamp, Operating voltage: AC100 to 240 V)
-DC-L (With DC indicator lamp, Operating voltage: DC12 to 24 V)

●Electric rating of micro switch

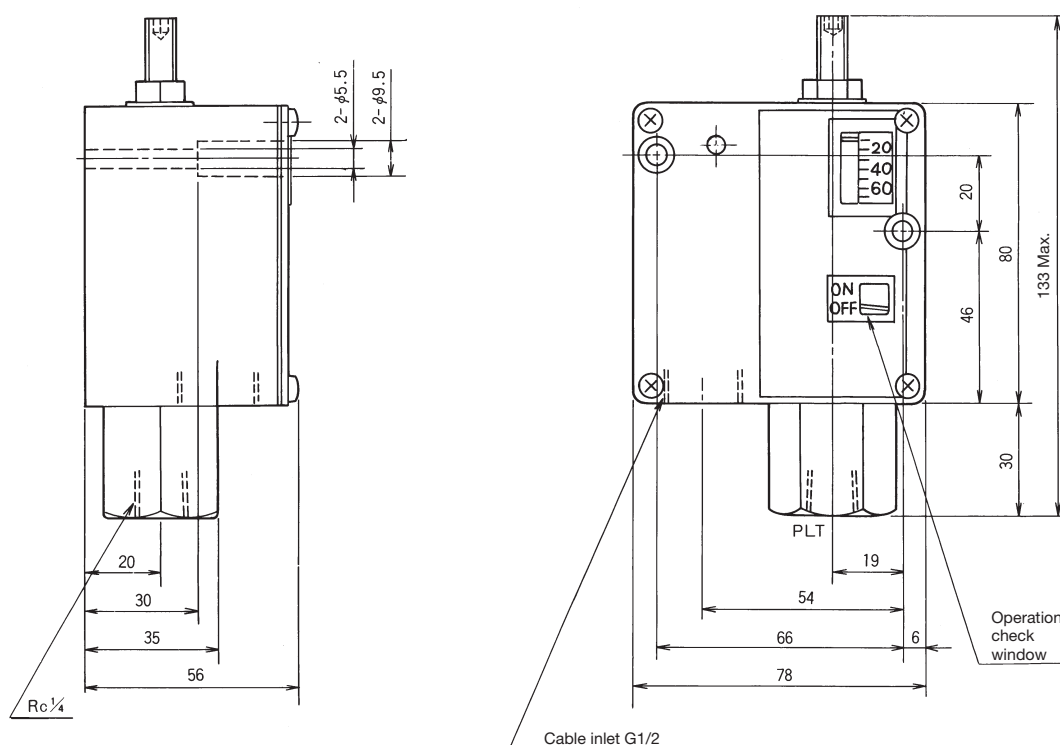
AC	125V-5A, 250V-5A
DC	125V-0.5A, 250V-0.25A

●Performance characteristic table



■Outside dimensions

HW1-3T*-02 (-DC) (-L)



Алматы (7273)495-231	Иваново (4932)77-34-06	Магнитогорск (3519)55-03-13	Ростов-на-Дону (863)308-18-15	Тольятти (8482)63-91-07
Ангарск (3955)60-70-56	Ижевск (3412)26-03-58	Москва (495)268-04-70	Рязань (4912)46-61-64	Томск (3822)98-41-53
Архангельск (8182)63-90-72	Иркутск (395)279-98-46	Мурманск (8152)59-64-93	Самара (846)206-03-16	Тула (4872)33-79-87
Астрахань (8512)99-46-04	Казань (843)206-01-48	Набережные Челны (8552)20-53-41	Санкт-Петербург (812)309-46-40	Тюмень (3452)66-21-18
Барнаул (3852)73-04-60	Калининград (4012)72-03-81	Нижний Новгород (831)429-08-12	Саратов (845)249-38-78	Ульяновск (8422)24-23-59
Белгород (4722)40-23-64	Калуга (4842)92-23-67	Новокузнецк (3843)20-46-81	Севастополь (8692)22-31-93	Улан-Удэ (3012)59-97-51
Благовещенск (4162)22-76-07	Кемерово (3842)65-04-62	Ноябрьск (3496)41-32-12	Саранск (8342)22-96-24	Уфа (347)229-48-12
Брянск (4832)59-03-52	Киров (8332)68-02-04	Новосибирск (383)227-86-73	Симферополь (3652)67-13-56	Хабаровск (4212)92-98-04
Владивосток (423)249-28-31	Коломна (4966)23-41-49	Омск (3812)21-46-40	Смоленск (4812)29-41-54	Чебоксары (8352)28-53-07
Владикавказ (8672)28-90-48	Кострома (4942)77-07-48	Орел (4862)44-53-42	Сочи (862)225-72-31	Челябинск (351)202-03-61
Владимир (4922)49-43-18	Краснодар (861)203-40-90	Оренбург (3532)37-68-04	Ставрополь (8652)20-65-13	Череповец (8202)49-02-64
Волгоград (844)278-03-48	Красноярск (391)204-63-61	Пенза (8412)22-31-16	Сургут (3462)77-98-35	Чита (3022)38-34-83
Вологда (8172)26-41-59	Курск (4712)77-13-04	Петрозаводск (8142)55-98-37	Сыктывкар (8212)25-95-17	Якутск (4112)23-90-97
Воронеж (473)204-51-73	Курган (3522)50-90-47	Псков (8112)59-10-37	Тамбов (4752)50-40-97	Ярославль (4852)69-52-93
Екатеринбург (343)384-55-89	Липецк (4742)52-20-81	Пермь (342)205-81-47	Тверь (4822)63-31-35	

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://toyooki.nt-rt.ru> || tik@nt-rt.ru