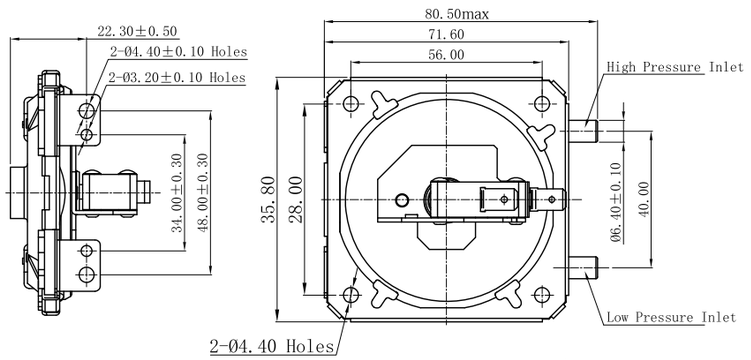
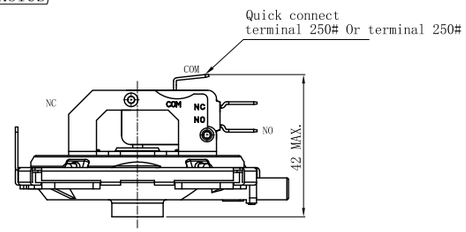
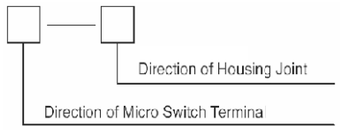




Pressure Conversion Table

1Pa=	0.01	mbar
(pascal N/m²)	1x10(-7)	bar
	102x10(-7)	kg/cm²
	0.102	mm H20
	0.0075	mm Hg
	145x10(-6)	Psi
1mbar=	100	Pa
(millibar)	0.001	bar
	102x10(-5)	kg/cm²
	10.2	mm H20
	0.750	mm Hg
	0.0145	Psi
1bar=	100 000	Pa
	1000	mbar
	1.02	kg/cm²
	10200	mm H20
	750	mm Hg
	145.038	psi
1Kg/cm²=	98100	Pa
Kilogram per cm²	981	mbar
	0.981	bar
	10000	mm H20
	736	Psi
	142.233	Pa
1mm H20=	9.81	Pa
(mm water gauge)	0.098	mbar
	98.1x10(-6)	bar
	0.0001	kg/cm²
	0.0736	mm H20
	0.001422	Psi
1mm Hg=	133.3	Pa
(mm mercury)	1.33	mbar
	0.00133	bar
	0.001359	kg/cm²
	13.59	mm H20
	0.01934	Psi
1psi=	6895.06	Pa
(pounds per sginch)	68.95	mbar
	0.06895	bar
	0.07031	kg/cm²
	703.01	mm H20
	51.717	mm Hg

Assembled Shape:



GPS100 Series Air Pressure Switch Ordering Instruction

GPS100	39	- 90	CC	- 1	C	Z	G	L
Switch Type	Off Pressure Set Point	On Pressure Set Point	Assembled Shape	Electrical Rating	Terminal Type	Circuit Code	Color of Micro Switch	Pressure Type
GPS100 Series Air Pressure Switch	According to customer's requirements	According to customer's requirements	Refer to "Assembled Shape"	1 <0.1A 2 ≥0.1A and≤5A 3 >5A and≤16A 4 >16A	C 6.30x0.80mm 0.250" x0.032" 250#Quick Connect Terminals E 4.70x0.5mm 0.187" x0.020" 187#Quick Connect Terminals	C SPST-NC P SPST-NO Z SPDT	G Grey B Black	H Positive Pressure L Negative Pressure



GT01 Series Detector Switch

Micro Switch Type, could be Solded with Wires or used on PCB Board

■Features

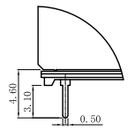
-Small size, light weigt and high precision
-Long life time, multi-choices on operating force

■Applications

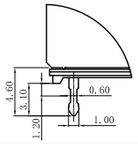
-Widely used in automobile, motorcycles, remote control device, industrial machines, machines, telecommunication equipment, navigation and car audio system etc.

Terminal Type (单位/Unit: mm)

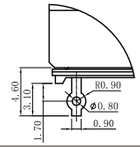
P: PCB Terminals



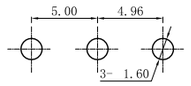
L: Lead Terminals



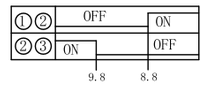
S: Lead Terminals(screw mounting)



PCB board mounting hole dimensions
(Viewed from direction A)



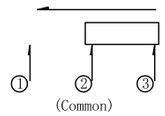
Timing lag diagram



Travel position (X)

● Push direction only

Circuit Diagram
(Viewed from direction A)



(Common)

■ Typical Specifications

Electrical Characteristics	Rating	0.1A 12VDC/50μA 3VDC
	Contact Resistance	100mΩMax(Initial Value)
	Insulation Resistence	50MΩMin
	Voltage Proof	AC 50V(50-60Hz) 1Minute
	Eletrical Life	10,000cycles(Min)
Mechanical/reliability Characteristics	Operating Force	See Detail Spec
	Mechanical Life	100,000cycles(Min)
	Operating Temperature Range	-25° C~+80° C
	Storage Humidity	≤85%RH
	Solder Ability	260° C±5° C 3s±1s

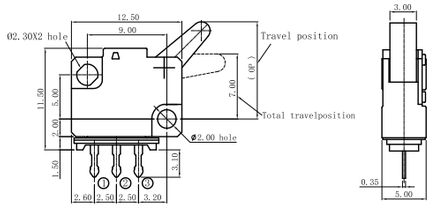
GT01 Series Detector Switch Ordering Instruction

GT01	P	P	00
Switch Type	Code of terminal type	Code of operating force	Lever type
GT01 Series Detector Switch	P PCB Terminals	1 0F=70±30gf	00 Without Lever
	L Lead Terminals	2 0F=150±40gf	01 01#Lever
	S Lead Terminals(screw mounting)	… Other	02 02#Lever
	… Others		… Other

Dimensions

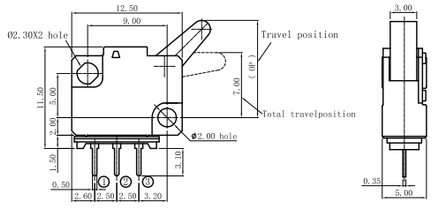
GT01P100





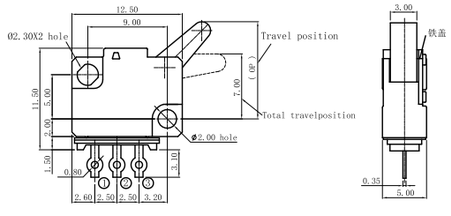
GT01L100

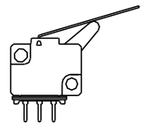
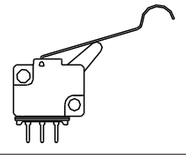
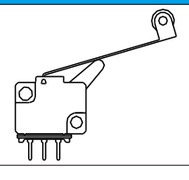




GT01S100



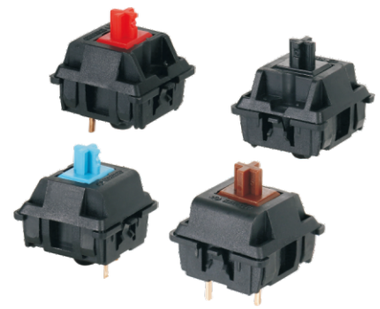


Lever can be customized according to customer’s demand		
		

GT02Mechanical Keyboard Switch-4mm Travel

Features

- Desktop profile, 0.60 inch(15.2mm) from PCB(no keycap)
- Choice of feel: linear, soft tactile, clicktactile
- PCB or frame mount
- Long life to 80 million operation cycles
- LED, diode or jumper option
- 12V AC/DC maximum
- Current Rating: 10mA
- Insulation Resistance: <100MΩ under 100VDC



Applications

Mainly applicated in computer keyboards, cash registers, industrial equipment and Man-Machine interfaces

Specification and Parameters

Electrical Characteristics	Rating	12 VDC/AC max. 10mA AC/DC max
	Contact Resistance	200mΩMax(25mΩtypical)(Initial Value)
	Insulation Resistence	100MΩMin
	Voltage Resistance	AC 500V(50-60Hz) 1Minute
	Electrical life	Over80, 000, 000 cycles(Load)
	Bounce Time	5 msec(operation speed at 400mm/sec)
Parameters	Operating Force	See Detail Spec
	Pre-travel	2.0±0.6mm
	Total Travel	4.0±0.4mm
	Mechanical Life	Over 80,000,000 cycles(No Load)
	Operating Temperature Range	-40° C~+80° C
	Ambient Humidity	≤85%RH