moujen

MJ SERIES PRECISION OIL-TIGHT LIMIT SWITCHES

FEATURES

- · Wide choice of heads and actuators.
- · Variety of operating characteristics.
- · Captive cover screws.
- · Dustproof, Oil-Tight, Water-Resistant.
- · Stainless steel essentials.
- · Standard size & dimensions, 1/2" conduit entry.
- Temperature range +15°F to +175°F(-10°C to +80°C).

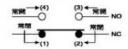
All oil tight limit switches are 2 circuits limit switches. 1 NO and 1 NC circuits. The 1 NO and 1 NC contact arrangement is double break isolated.



RATING

10A	125 or 300V AC(resistive)
A8.0	125 V DC (resistive)
0.4A	250 V DC
1/2HP	125 V AC
1HP	250 V AC

CIRCUITRY





CHARACTERISTICS

Operating speed	1mm to 2m/sec
Operating frequency	Mechanically: 120 operations/min. Electrically: 30 operations/min.
Contact resistance	15m Ω max. (initial)
Insulation resistance	100M Ω min. (at 500 VDC)
Dielectric strength	1,000 VAC, 50/60 Hz for 1 minute between non-continuous terminals 2,200 VAC, 50/60 Hz for 1 minute between each terminal and non-current-carrying metal part and between each terminal and ground
Vibration	Malfunction durability: 10 to 55Hz 1.5mm double amplitude
Shock	Mechanical durability: Approx. 1,000m/sec² (approx. 100G's) Malfunction durability: Approx. 300m/sec² (approx. 30 G's)
Ambient operating temperature	Operating: -10°C to + 80°C
Humidity	95% RH max
Service life	Mechanically: 15,000,000 operations min Electrically: 500,000 operations min.
Degree of protection	IEC 529 class IP67



MJ-7102

MJ-7103

ORDER GUIDE

Standard type ~ 2 screws:

MJ-7101 MJ-7102 MJ-7102R MJ-7103 MJ-7104 MJ-7106 MJ-7126 MJ-3241 MJ-3242 MJ-3243 MJ-3244 MJ-7107 MJ-7107L MJ-7108 MJ-7204 MJ-7207 MJ-7207L MJ-7208 MJ-7000

"O" type ~ 3 screws (Custom made):

MJ-71010 MJ-71020 MJ-7102RO MJ-71030 MJ-71040 MJ-71060 MJ-71260 MJ-32410 MJ-32420 MJ-32430 MJ-32440 MJ-71070 MJ-7107LO MJ-71080 MJ-72040 MJ-72070 MJ-7207LO MJ-72080

Plastic roller type (Custom made):

MJ-7104-P MJ-7204-P MJ-7108-P MJ-7208-P

Ø50mm rubber's roller type (Custom made): 50mm
MJ-7104-26 MJ-7204-26 MJ-7108-26 MJ-7208-26

Metal roller type (Custom made):

MJ-3241-M MJ-3242-M MJ-3243-M MJ-3244-M

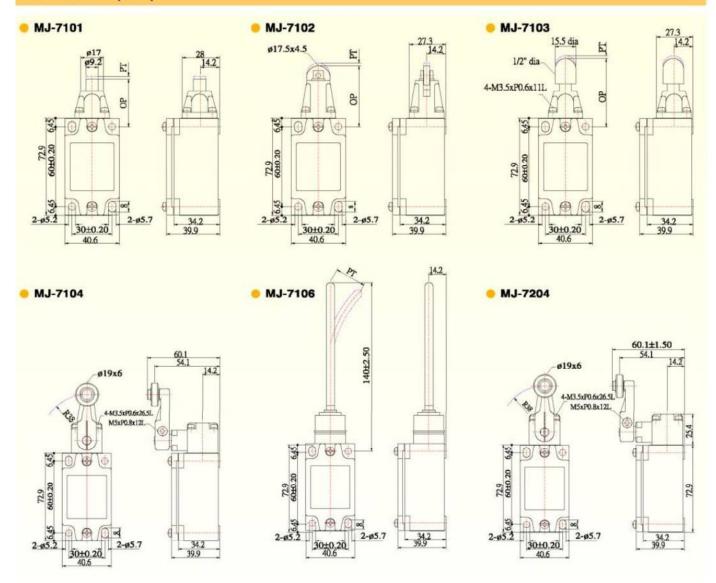






ORDER GUIDE

DIMENSIONS (mm)



OPERATING CHARACTERISTICS

	MJ-7101
OF MAX	2800g —6 lbs.
RF MIN	900g -2 lbs. Max.
PT MAX	2mm070 in.
OT MIN	5.5mm200 in. Max.
DT MAX	1.0 mm040 in.
OP	34±0.8

	MJ-7104
OF MAX	1400g3 in. lbs.
RF MIN	227g -1/2 lb.
PT MAX	15" to 20"
OT MIN	Min, 25°
DT MAX	Max, 12*
	TF: Max 2720g-4 in lbs. TT: Min. 43°

	MJ-7102
OF MAX	2800g -6 lbs.
RF MIN	900g -2 lbs. Max.
PT MAX	2mm070 in.
OT MIN	5.5mm200 in. Max
DT MAX	1.0 mm040 in.
OP	44±0.8

	MJ-7106
OF MAX	150g —5 in. oz.
RF MIN	
PT MAX	30"
OT MIN	
DT MAX	

	MJ-7103
OF MAX	2800g -6 lbs.
RF MIN	900g -2 lbs. Max.
PT MAX	2mm070 in.
OT MIN	4mm157 in. Max.
DT MAX	1.0 mm040 in.
OP	44.5±0.8

	MJ-7204
OF MAX	900g -2 in. lbs.
RF MIN	50g -2 in oz.
PT MAX	25° to 30°
OT MIN	60*
DT MAX	16°
	TT: 90" + 10"

M.I.7204



► MJ SERIES

PRECISION OIL-TIGHT LIMIT SWITCHES

OVERTRAVEL TYPE

The Overtravel Type is a limit switch which is provided with a greater OT to facilitate dog setting. Since this type is indentical to the Basic Type in dimension, both types are interchangeable. The Overtravel Type is classified into two versions - 71 series and - 72 series.

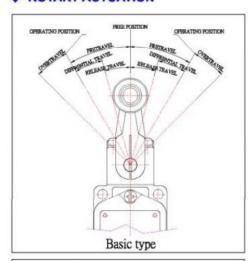
-71 SERIES

The head of-71 series switch can be installed in any of the four directions: 45° operation on either side - possible

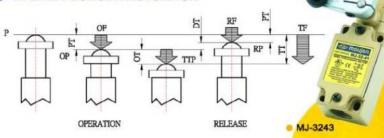
-72 SERIES

The head of -72 series switch can be installed only in two directions, forward and backward: 90° operation on either side - possible

ROTARY ACTUATION



IN-LINE PLUNGER ACTUATION



Overtravel type

MJ-7108-P

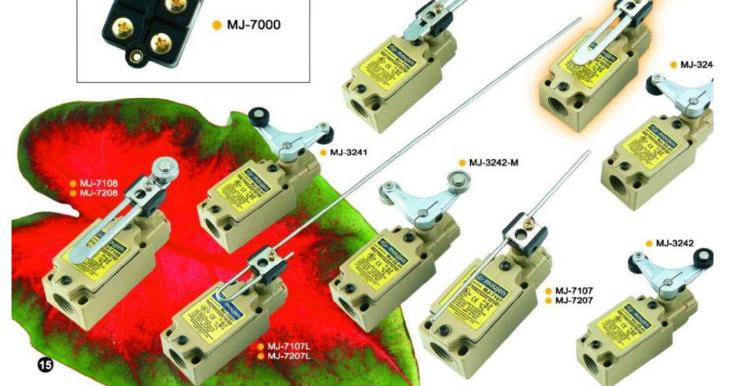
Basic type

Characteristics: OF-Operating Force; PT-Pretravel; OT-Over Travel; DT-Differential Travel RF-Release Force; OP-Operation Position; TF-Travel Force; RP-Release Position; TT-Total

♦ REMARK

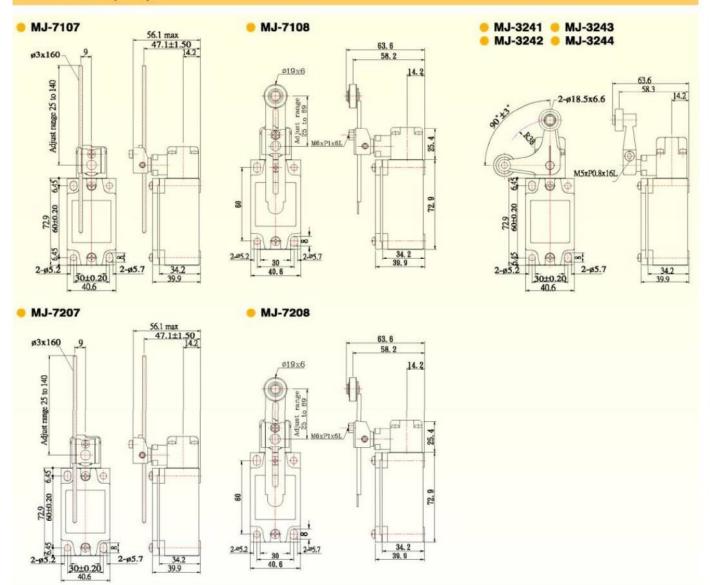
MJ-7107L, MJ-7207L → 395mm long stick: 395mm

MJ-7108-26



ORDER GUIDE

DIMENSIONS (mm)



OPERATING CHARACTERISTICS

	MJ-7107
OF MAX	245g —.5 in. oz.
RF MIN	28g -1 in. oz.
PT MAX	15" to 20"
OT MIN	30*
DT MAX	12*
	TF: Max. 200g-1/2 in lb.
	TT: Min 43*

	MJ-7207
OF MAX	150g5 in. oz.
RF MIN	25g -1 in. oz.
PT MAX	25° to 30°
OT MIN	60*
DT MAX	16"
	TF: Max. 200g-1/2 in lb.
	TT: 90° + 10°

	MJ-7108
OF MAX	1400g —.3 in. lbs.
RF MIN	227g -1/2 lb.
PT MAX	15° to 20°
OT MIN	25*
DT MAX	12'
	TF: Max. 2720g-4 in lbs.
	TT: Min 43°

	MJ-7208
OF MAX	900g3 in. lbs.
RF MIN	50g -1/2 lb.
PT MAX	25" to 30"
OT MIN	60"
DT MAX	16"
	TF: Max. 1820g-4 in lbs. TT: 90° + 10°

	MJ-3241
OF MAX	1200g —.2 in. oz.
RF MIN	_
PT MAX	55*
OT MIN	35*
DT MAX	