

• Suffix code

Model	Code		Description
HY-M90			Limit switch (No operation indicator)
HY-LM90	□	□	Limit switch (Operation indicator attachment type)
Actuator (operation part)	2		Roller Plunger Type
	3		Ball Plunger Type
	4		Roller Adjustable Lever Type
	7		Adjustable Rod Wire Type
	8		Roller Lever Type
	8L		Fork Roller Lever
	8R		Ø50 Roller Lever Type
	9		Coil Spring Type
Operation indicator classification (HY-LM90□□)			No operation indicator
		A	a.c indicator attachment type
		D	d.c indicator attachment type

* Operation indicator attachment type classification

- M900 series limit switch is generally composed of the product with operation indicator and without operation indicator.

Also divided into the a.c type and d.c type operation indicator.

- It can be used as an operation indicator just by changing the cover of limit switch.

It does not need the separate connection and it selects ON/OFF by rotating the holder 180 degree.







Voltage	a.c operation indicator (250 V a.c)	d.c operation indicator (24 V d.c)
Model	HY-LM90□A (a.c)	HY-LM90□D (d.c)
Indicator type	Neon lamp	L.E.D
Leakage current	approx 1.2 mA (250 V a.c)	approx 1.0 mA (24 V d.c)

Ratings

Rated voltage		Rated electro current(A)			
		Resistive load	Inductive load	electric motor load	
				N.C	N.O
a.c	125V	15	10	3	1.5
	250V	10	6	2	1
	480V	3	2	1.5	0.75
d.c	8V	15	10	-	-
	14V	15	10	-	-
	30V	6	5	-	-
	125V	0.4	0.05	-	-
	250V	0.2	0.03	-	-

※ In case of electric magnetic coil and incandescent lamp load then it is same as the electric motor load.

· **Specification**

Model	Roller plunger	Top ball plunger	Variable roller lever	Variable ROD	Roller lever	Spring wire
	M902/LM902	M903/LM903	M904/LM904	M907/LM907	M908/M908	M909/LM909
Appearance						
Contact structure	M4 screw tightening terminal, 2 circuits double type (1a1b)					
Contact material	AgNi					
Protective structure	IP67 (Only when using our company product HYC-M2 in the wire opening)					
Operation indicator	a.c : Neon lamp, d.c : LED (only with the HY-LM series)					
Rated current(Ie)	6 A 250 V a.c (AC-15, DC-13)					
Dielectric strength	2,000 V a.c 50/60 Hz for 1 min (between the terminal and non-recharging metal part)					
Insulation resistance	Min 100 MΩ (500 V d.c insulated ohmmeter)					
Contact resistance	Max 50 mΩ (default value)					
Rated voltage(Ue)	250 V a.c, 30 V d.c					
Actuator intensity	5 times larger than O.F (force required to operate) 1min to the, operating direction					
Vibration	Double amplitude 1.5mm, frequency 10 ~ 55 Hz, continuously 2 hour					
Shock	1,000 m/s ² (durability), 300 m/s ² (malfunction)					
Allowable operation speed	0.1 ~ 1 m/s (without damaging the actuator)					
Life expectancy	Mechanical	Min 1million times (open/close frequency 120 times/min)				
	Electrical	Min 300 thousand times (open/close frequency 20 times/min)				
Ambient temperature	-10 ~ 80 °C					
Ambient humidity	45 ~ 95 % R.H.					
Weight	Approx 350 g (included the box with HY-M904)					