

2-circuit double limit switches

HY-M900 / LM900

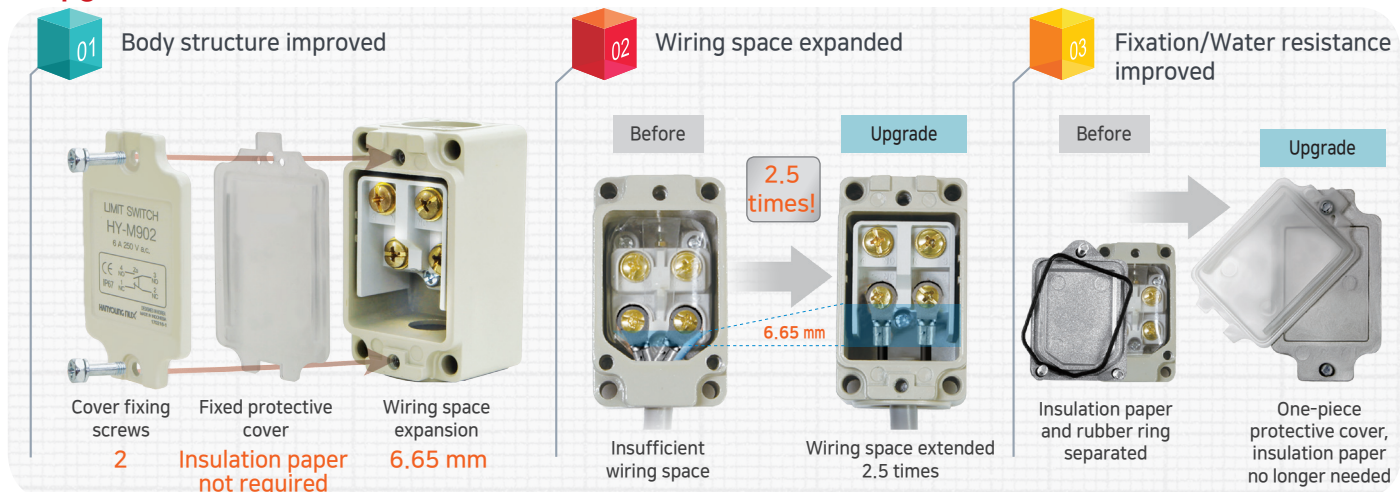
Improved wiring convenience



- Solid aluminum die casting type
- Improved wiring convenience with wiring space expansion
- IP67 Protection rating: waterproof and dustproof structure (when using HYC-M1, HYC-M2 cable connectors)
- Check the operation status from the outside with the operation indication lamp (Only for LM900)
- Fixed protective cover applied / fixing screws quantity reduced



Upgrades



Specifications

Model		HY-M902	HY-LM902	HY-M903	HY-LM903	HY-M904	HY-LM904	HY-M907	HY-LM907	HY-M908	HY-LM908	HY-M909	HY-LM909	HY-M908R	HY-M908L
Shape															
Type		Roller Plunger type		Ball Plunger type		Roller Adjustable Lever type		Adjustable Rod Lever type		Roller Lever type		Coil Spring type		Ø50 Roller Lever type	Fork Roller Lever type
Allowable operating speed		0.1 - 1 m/s													
Open/close frequency	Mechanical	120 times/min													
	Electrical	20 times/min													
Insulation resistance		100 MΩ min (500 V d.c.)													
Dielectric strength		1,000 V a.c. 50/60 Hz for 1 min (among terminals), 1,500 V a.c. 50/60 Hz for 1 min (among unfilled metal parts)													
Contact resistance		Max. 100 MΩ (initial value)													
Vibration resistance	Malfunction	10 - 55 Hz double amplitude 1.5 mm													
Shock resistance	Mechanical	1,000 m/s min (100 G min)													
	Malfunction	300 m/s min (30 G min)													
Life	Mechanical	1,000,000 times min													
	Electrical	300,000 times min													
Ambient temperature and humidity		-10 ~ 80 °C, 45 ~ 95 % RH													
Weight		Approx. 350 g (HY-M904, box included)													

Rating

Rated voltage (V)		Non-inductive load (A)				Inductive load (A)			
		Resistive load		Lamp		Inductive load		Electric motor load	
		NC	NO	NC	NO	NC	NO	NC	NO
AC	125	15		3	1.5	10		3	1.5
	250	10		2	1	6		2	1
	480	3		1.5	0.8	2		1.5	0.75
DC	8	15		6	3	10		-	
	14	15		6	3	10		-	
	30	6		4	3	5		-	
	125	0.4		0.2	0.2	0.05		-	
	250	0.2		0.1	0.1	0.03		-	

Limit Switches

● HY-M902 / LM902

Dimensions	Operating characteristics
	OF max:28 N (2857 gf) RF min:8 N (816 gf) PT:2.0 mm MD max:1.0 mm OP:44.0 ±1.0

● HY-M903 / LM903

Dimensions	Operating characteristics
	OF max:28 N (2857 gf) RF min:8 N (816 gf) PT:2.0 mm MD max:1.0 mm OP:53.5 ±1.0

● HY-M904 / LM904

Dimensions	Operating characteristics
	OF max:14 N (1428 gf) RF min:2.1 N (214 gf) PT:15° ±5° MD max:12° TT:80° ±5°

● HY-M907 / LM907

Dimensions	Operating characteristics
	OF max:1.5 N (153 gf) RF min:0.25 N (25 gf) PT:15° ±5° MD max:12° TT:80° ±5°

● HY-M908 / LM908

Dimensions	Operating characteristics
	OF max:14 N (1428 gf) RF min:2.1 N (214 gf) PT:15° ±5° MD max:12° TT:80° ±5°

● HY-M909 / LM909

Dimensions	Operating characteristics
	OF max:1.5 N (153 gf) PT:20.0 ±10.0 mm ※ Available in axial direction, with micro switch protection built-in ※ The operating range of the actuator is within 1/3 of the spring full length from the spring end

● HY-M908R

Dimensions	Operating characteristics
	OF max:14 N (1428 gf) RF min:2.1 N (214 gf) PT:15° ±5° MD max:12° TT:40°

● HY-M908L

Dimensions	Operating characteristics
	OF max:11.8N(1200gf) PT:50° ±5° OT max:12° TT:90° ±5°