

HY-M900/HY-LM900 series

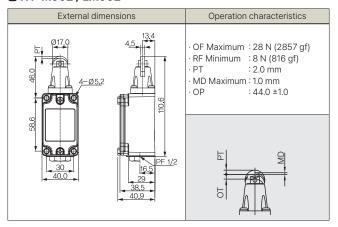
Aluminum die cast limit switch

H Specifications

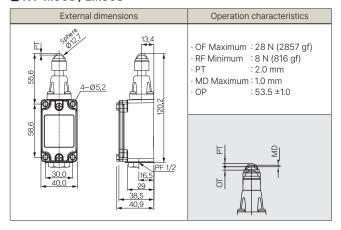
		HY-	HY-	HY-	HY-	HY-	HY-		HY-	HY-	HY-	HY-	HY-	HY-	HY-
	Model	M902	LM902	M903	LM903	M904	LM904	HY-M907	LM907	M908	LM908	M909	LM909	M908R	M908L
	Appearance	5		5. C. Washington, 1975.			() () () () () () () () () ()					500			
Operation characteristics		Roller plunger type Ball plunger type		Roller adjuster lever type		Rod lev	er type	Roller lever type		Coil spring type		Ø50 roller lever type	Fork roller lever type		
Со	Contact structure		M4 screw clamp terminal, 2-circuit double-throw type (1a1b)												
Termina	al tightening torque	1.2 N·m or less													
Оре	Operation indicator		AC type: Neon lamp / DC type: LED (HY-LM series only)												
Rated voltage		250 V a.c. / 30 V d.c.													
Rated current		6 A 250 V a.c. (AC-15, DC-13)													
Actuator force		5 times the O.F. (Operating Force), applied in the operating direction for 1 minute													
Protective structure		IP67 (when using our connectors HYC-M1, M2 in piping sections)													
Allowable manipulation speed		0.1 - 1 m/s													
Switching Mechanical		120 times/minute													
frequency	Electrical	20 times/minute													
Insulation resistance		100 MΩ or higher (500 V d.c.)													
Between terminals		1,500 V a.c. 1 minute at 50/60 Hz													
Dielectric strength	Between each terminal and uncharged metal parts	2,000 V a.c. 1 minute at 50/60 Hz													
Cor	ntact resistance	25 mΩ or lower (initial value)													
Vibr	ration resistance	10 - 55 Hz, double amplitude: 1.5 mm													
Shock Durability		1,000 m/s² or more (100 G or higher)													
resistance Malfunction		300 m/s² or more (30 G or higher)													
Life	Mechanical		More than 1 million operations												
Electrical		More than 300,000 operations (at rated load)													
Ambient temperature		-10 to +80 °C (however, there should be no condensation or icing)													
Am	Ambient humidity		45 to 85% RH or lower												
Weight		Approximately 350 g (including the box, for HY-M904)													
Storage temperature		-40 to 70 °C													

H External dimensions

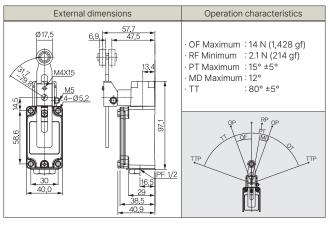
■ HY-M902 / LM902



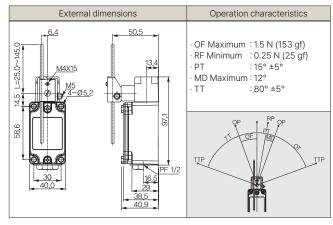
■ HY-M903 / LM903



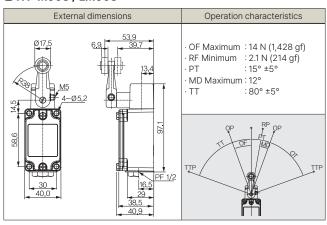
■ HY-M904 / LM904



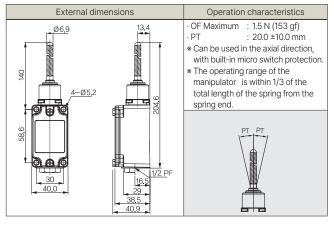
■ HY-M907 / LM907



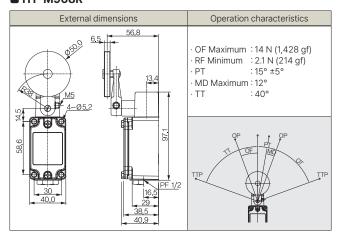
■ HY-M908 / LM908



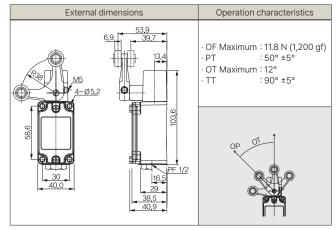
■ HY-M909 / LM909



■ HY-M908R



■ HY-M908L



H Rating

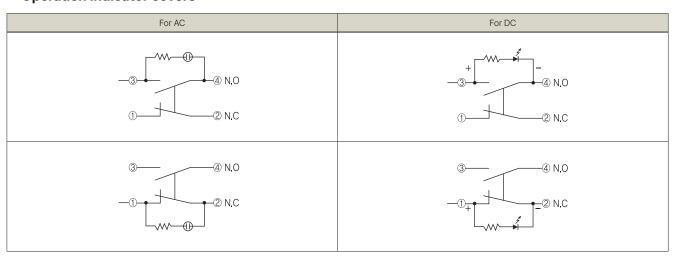
Rated voltage (V)			Non-induct	tive load (A)		Inductive load (A)					
		Resistiv	ve load	La	mp	Inducti	ve load	Motor load			
		N.C N.O		N.C	N.O	N.C N.O		N.C	N.O		
	125	15		3	1.5	10		3	1.5		
AC	250	10)	2	1	(6	2	1		
	480	3	}	1.5	0.8		2	1.5	0.75		
DC	8	15		6	3	10		-			
	14	15		6	3	10		-			
	30	6	3	4	3		5	-			
	125	0.	4	0.2	0.2	0.05		-			
	250	0.	2	0.1	0.1	0.	03	-			

H Operation indicator types

Voltage	AC operation indicator (250 V a.c.)	DC operation indicator (24 V d.c.)			
Model	HY-LM90□ A	HY-LM90□ B			
Indicator type	Neon lamp	LED (light-emitting diode)			
Leakage current	Approximately 1.2 mA (250 V a.c.)	Approximately 1.0 mA (24 V d.c.)			

[·] The LM900 series limit switches are available in two configurations: models without an operation indicator and models with an operation indicator. They are further categorized into versions for AC and DC operation indicators.

H Operation indicator covers



[·] You can convert the limit switch into an operation indicator type by simply changing the cover, without the need for additional wiring. By rotating the indicator holder 180 degrees, you can turn the light on or off.

H Upgrades



H Built-in micro switch

■ Connection diagram

