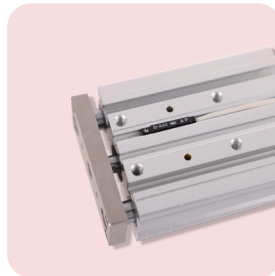
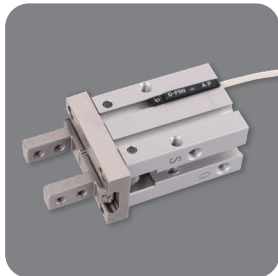


FOR AIR CYLINDER

AUTO SWITCHES

Reed S/W Type
Solid State Type

- CE, UKCA
- All products are waterproof (IP67)



www.autoswitches.co.kr



ABOUT US

Established in 1986, Saewon Electronics is a leading manufacturer in the magnetic sensor field, providing high-quality sensor solutions to various industries with 37 years of technological expertise and gaining recognition in the global market.

Since its establishment in 1986, we have been dedicated to developing and producing high-quality, high-reliability sensors as a specialized manufacturer of magnetic sensors for automation equipment for 40 years.

We are a technology leader in the magnetic sensor field that has grown alongside the domestic automation industry. We provide various customized sensor solutions including industrial, automotive, and medical device sensors.

We have grown into a globally recognized company through continuous research and development and quality innovation. We possess a world-class quality management system with international quality certifications such as ISO 9001 and ISO 14001. We pursue sustainable growth while contributing to the development of sensor technology, which is a core component in the era of the Fourth Industrial Revolution.

COMPANY HISTORY

- 1986** Establishment of Saewon Electronics Co., Ltd.
- 1987** Started production of proximity switches and hydraulic/pneumatic auto switches
- 1990** Established domestic automation equipment supply chain
- 1995** Expanded production facilities
- 1998** Introduced quality management system
- 2000** Started supplying to Parker Korea and TAIYO Japan
- 2004** Developed reed magnetic field auto switch (2003), Established R&D team
- 2005** Signed OEM contracts with TPC Mechatronics and Protech
- 2008** Diversified product lineup
- 2010** Acquired ISO 9001, 14001 certification
- 2012** Registered as a materials and components specialized company and converted to corporation
- 2014** Completed Ulsan factory
- 2018** Expanded global exports
- 2023** Designated as a root technology specialized company
- 2024** Relocated to new headquarters and established advanced smart factory
- 2025** Recognized as an Excellent ESG Enterprise for sustainable management

OUR ADVANTAGE

DOMESTIC MARKET POSITION



With its technology accumulated over 37 years and stable supply chain, it has established itself as a reliable partner in the domestic automation industry.

It has secured a high market share in key manufacturing sectors such as automotive, semiconductor, and home appliance industries.



We supply products of equivalent quality at prices 20~50% cheaper than Japanese SMC, German FESTO, and Chinese AIRTEC.

We strengthen our global competitiveness through quick delivery and flexible production systems that respond promptly to customer needs, as well as ISO international certifications and strict quality control.

B2B DISTRIBUTION NETWORK EXPANSION



We have secured more than 20 dealerships centered on major industrial complexes nationwide, and are expanding our export network to Southeast Asia, Europe, and North America.

We are strengthening digital distribution channels through systematic market development by a professional technical sales team and entry into online B2B platforms.

CUSTOMIZED CUSTOMER SERVICE



Our professional technical support team analyzes customer environments to provide optimized products and technical consulting.

We increase customer satisfaction with sample production within 48 hours and regular after-sales service, and have a flexible production system that enables customized design and production even for special environments or non-standard specifications.

CERTIFICATION STATUS



Saewon Electronics Co., Ltd. strives to manufacture products that meet our customers' desired quality and performance standards.



[AP] D-A93



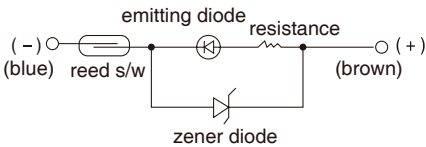
CHARACTER & APPLICATION CONDITION

Leakage Current	None
Lead Wire	Oil resistant vinyl jacket VW-1
Jacket	2.6Ø mm(Ivory)
Conductor	0.08 × 30(coil)
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500V Between case & Lead wire
Endurance Voltage	For 1 Min under AC1500V Between case & Lead wire
Temperature Range	-10~60℃
Enclosure	IP67
Response Time	Less than 1msec

※ Standard Lead wire is 1 meter long, Longer size are available by order.

CONNECTION DIAGRAM

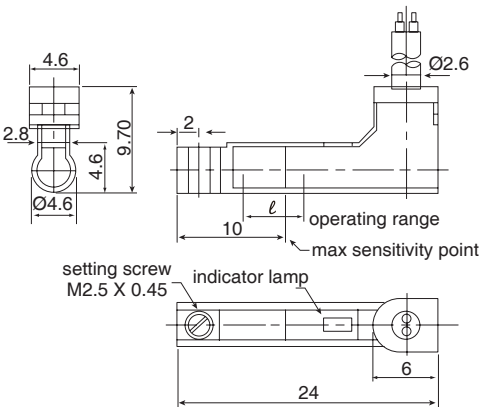
[AP] D-A93



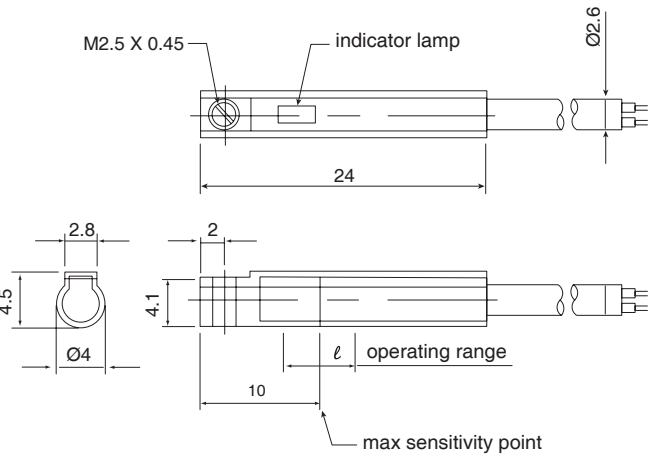
[AP] D-A93, D-A93V SPECIFICATION

Specification	[AP] D-A93(BAR), D-A93V(ANGLE TYPE)	
Input Load	PLC, Relay	
Load Voltage	DC24V	AC110V
Load Current	5~40mA	5~20mA
Contact Protect Circuit	None	
Int'l Voltage Drop	2.7V	
Signal Lamp	Red LED Emitting when S/W ON	

MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION



MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION



[AP] D-Z73, W13H



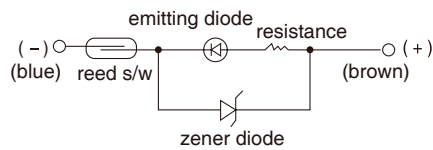
CHARACTER & APPLICATION CONDITION

Leakage Current	None
Lead Wire	Oil resistant vinyl jacket VW-1
Jacket	3.5Ø mm(Grey, Black)
Conductor	0.08 × 40(coil)
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500V Between case & Lead wire
Endurance Voltage	For 1 Min under AC1500V Between case & Lead wire
Temperature Range	-10~60℃
Enclosure	IP67
Response Time	Less than 1msec

※ Standard Lead wire is 1 meter long, Longer size are available by order.

CONNECTION DIAGRAM

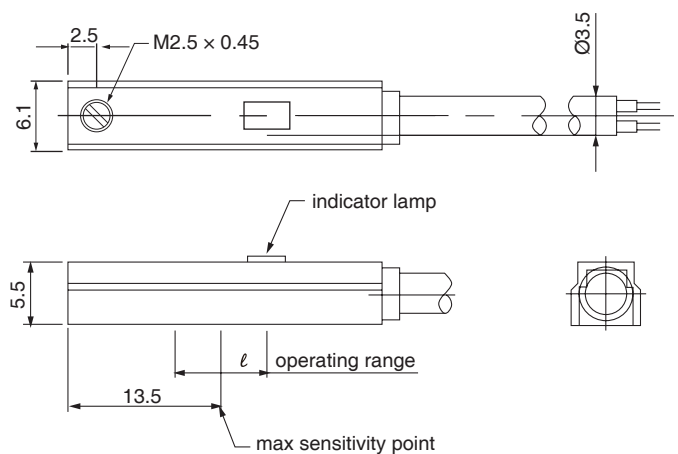
[AP] D-Z73, W13H



[AP] D-Z73, W13H SPECIFICATION

Specification	[AP] D-Z73, W13H	
Input Load	PLC, Relay	
Load Voltage	DC24V	AC110V
Load Current	5~40mA	5~20mA
Contact Protect Circuit	None	
Int'l Voltage Drop	2.7V	
Signal Lamp	Red LED Emitting S/W ON	

MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION



[AP] D-C7□ SERIES

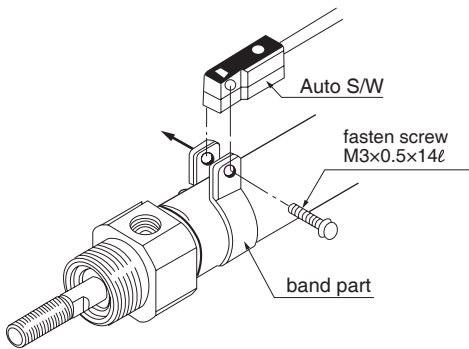


[AP] D-C73, D-C75 AUTO S/W
 CHARACTER & APPLICATION CONDITION

Leakage Current	None
Lead Wire	Oil resistant vinyl jacket VW-1
Jacket	3.5Ø mm(Grey, Black)
Conductor	0.08 × 40(coil)
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500V Between case & Lead wire
Endurance Voltage	For 1 Min under AC1500V Between case & Lead wire
Temperature Range	-10~60℃
Enclosure	IP67
Response Time	Less than 1msec

※ Standard Lead wire is 1 meter long, Longer size are available by order.

AUTO S/W INSTALL / REMOVE

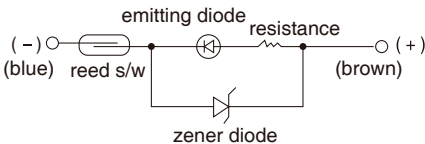


[AP] D-C73, D-C75 SPECIFICATION

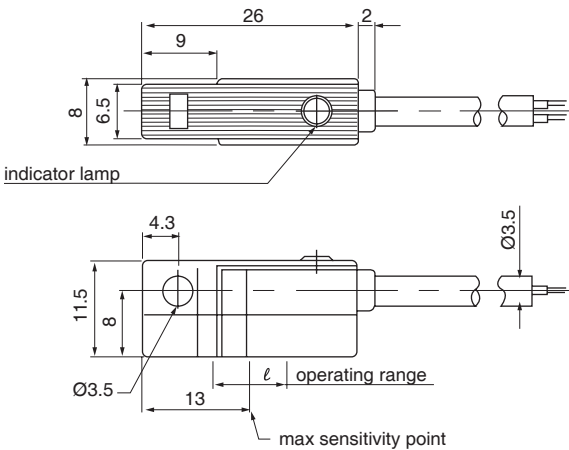
Specification	[AP] D-C73			[AP] D-C75		
Input Load	PLC, Relay			PLC, Relay		
Loading Voltage	DC24V	AC110V		DC24V	AC110V	AC220V
Loading Current	5~40mA	5~20mA		5~40mA	5~20mA	5~12mA
Contact Protect Circuit	None					
Int'l Voltage Drop	Below 2.7V					
Signal Lamp	Red LED Emitting when S/W ON					

CONNECTION DIAGRAM

[AP] D-C73, [AP] D-C75



MAX SENSITIVITY POINT /
 OPERATING RANGE / DIMENSION



[AP] D-A7□ SERIES

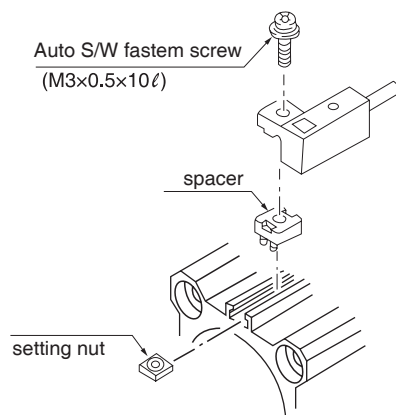


Ⓢ [AP] D-A73, D-A72 AUTO S/W CHARACTER & APPLICATION CONDITION

Leakage Current	None
Lead Wire	Oil resistant vinyl jacket VW-1
Jacket	3.5Ø mm(Grey, Black)
Conductor	0.08 × 40(coil)
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500V Between case & Lead wire
Endurance Voltage	For 1 Min under AC1500V Between case & Lead wire
Temperature Range	-10~60℃
Enclosure	IP67
Response Time	Less than 1msec

※ Standard Lead wire is 1 meter long, Longer size are available by order.

AUTO S/W INSTALL / REMOVE

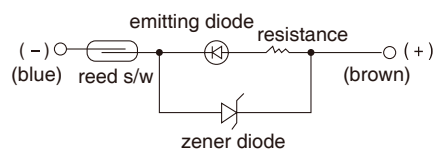


Ⓢ [AP] D-A73, D-A72 SPECIFICATION

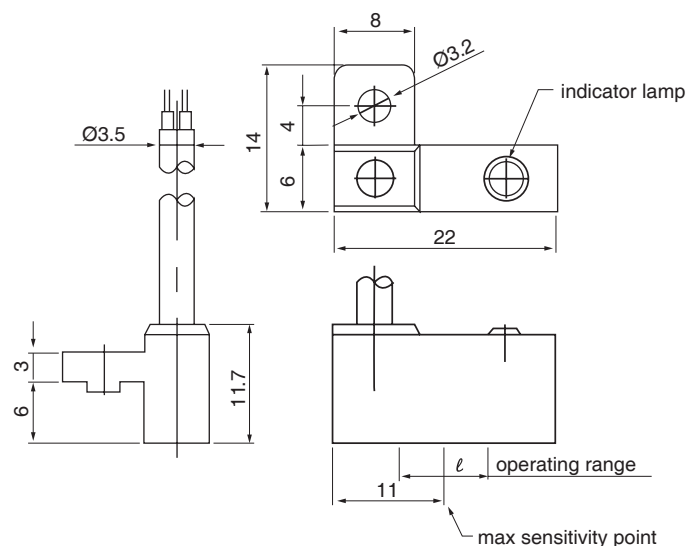
Specification	[AP] D-A73			[AP] D-A72		
Input Load	PLC, Relay			PLC, Relay		
Loading Voltage	DC24V	AC110V		DC24V	AC110V	AC220V
Loading Current	5~40mA	5~20mA		5~40mA	5~20mA	5~12mA
Contact Protect Circuit	None					
Int'l Voltage Drop	Below 2.7V					
Signal Lamp	Red LED Emitting when S/W ON					

CONNECTION DIAGRAM

[AP] D-A73, [AP] D-A72



MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION



[AP] D-A5□ SERIES

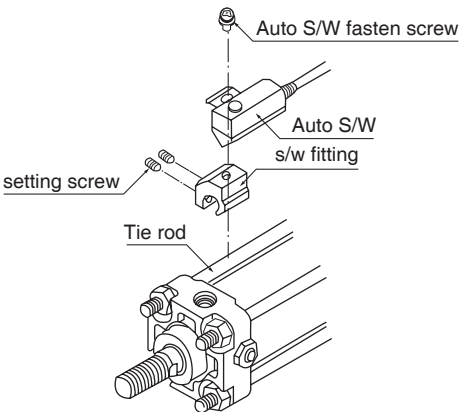


[AP] D-A5□ SERIES AUTO S/W CHARACTER & APPLICATION CONDITION

Leakage Current	None
Lead Wire	Oil resistant vinyl jacket VW-1
Jacket	3.5Ø mm(Grey, Black)
Conductor	0.08 × 40(coil)
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500V Between case & Lead wire
Endurance Voltage	For 1 Min under AC1500V Between case & Lead wire
Temperature Range	-10~60℃
Enclosure	IP67
Response Time	Less than 1msec

※ Standard Lead wire is 1 meter long, Longer size are available by order.

AUTO S/W INSTALL / REMOVE

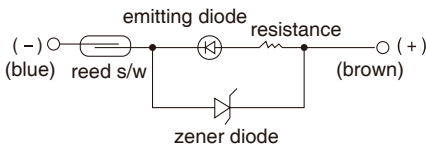


[AP] D-A54, D-A57 SPECIFICATION

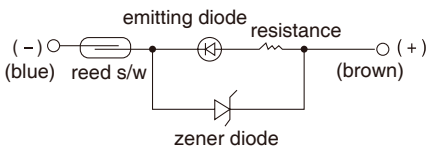
Specification	[AP] D-A54			[AP] D-A57
Input Load	PLC, Relay			PLC, Relay
Loading Voltage	DC24V	AC110V	AC220V	DC24V
Loading Current	5~50mA	5~25mA	5~12.5mA	5~20mA
Contact Protect Circuit	Built in			None
Int'l Voltage Drop	Below 2.7V			
Signal Lamp	Red LED Emitting when S/W ON			

CONNECTION DIAGRAM

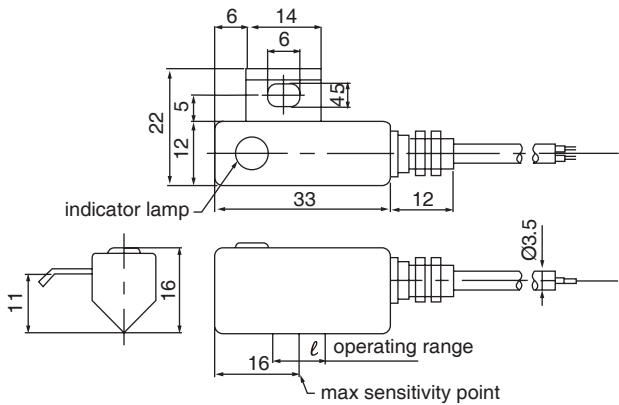
[AP] D-A54



[AP] D-A57(High-sensitivity)



MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION



[AP] D-5□ SERIES



[AP] D-5□ SERIES AUTO S/W CHARACTER & APPLICATION CONDITION

Leakage Current	None
Lead Wire	Oil resistant vinyl jacket VW-1
Jacket	4.5Ø mm(Grey, Black)
Conductor	0.08 × 60(coil)
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500V Between case & Lead wire
Endurance Voltage	For 1 Min under AC1500V Between case & Lead wire
Temperature Range	-10~60℃
Enclosure	IP67
Response Time	Less than 1msec

※ Standard Lead wire is 1 meter long, Longer size are available by order.

[AP] D-57, D-58 SPECIFICATION

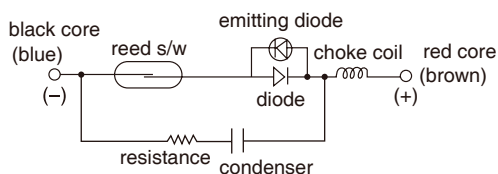
Specification	[AP] D-57	[AP] D-58
Input Load	PLC, Relay	PLC, Relay
Loading Voltage	DC24V	
Loading Current	5~50mA	10~100mA
Contact Protect Circuit	Built in	
Int'l Voltage Drop	Below 2.7V	
Signal Lamp	Red LED Emitting S/W ON	

[AP] D-50, D-51 SPECIFICATION

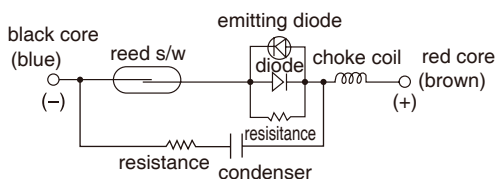
Specification	[AP] D-50		[AP] D-51	
Input Load	Relay		PLC, Relay	
Loading Voltage	AC110V	AC220V	DC24V	AC110V AC220V
Loading Current	5~25mA	5~12.5mA	5~50mA	5~25mA 5~12.5mA
Contact Protect Circuit	Built in			
Int'l Voltage Drop	Below 1V		Below 2.7V	
Signal Lamp	Lemp On when S/W Off		Red LED Emitting when S/W On	

CONNECTION DIAGRAM

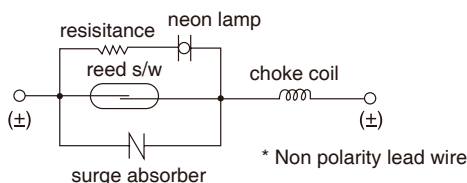
• [AP] D-57



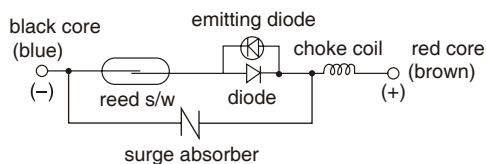
• [AP] D-58



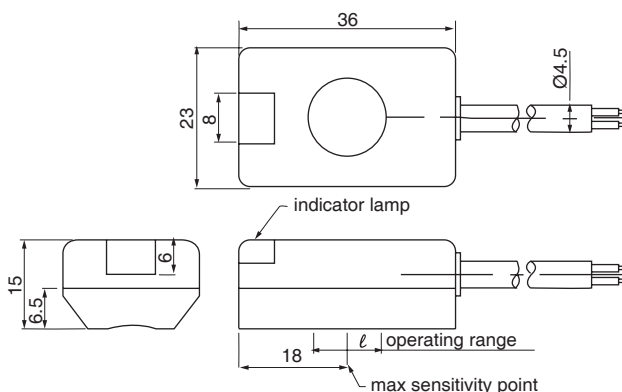
• [AP] D-50



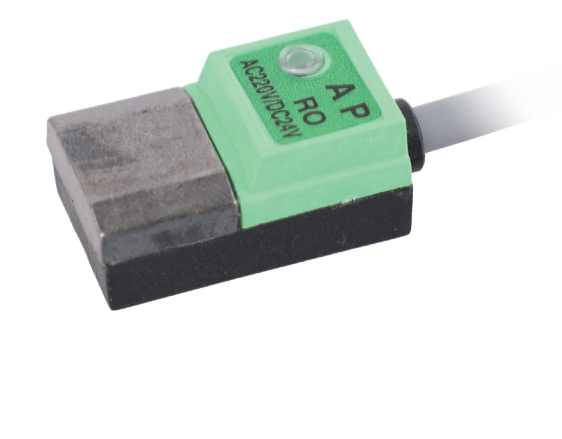
• [AP] D-51



MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION



[AP] RO(CKD TYPE)



RO Braket

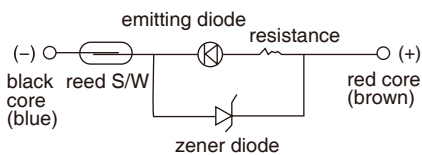


Assemble view



CONNECTION DIAGRAM

[AP] RO



[AP] RO AUTO S/W
CHARACTER & APPLICATION CONDITION

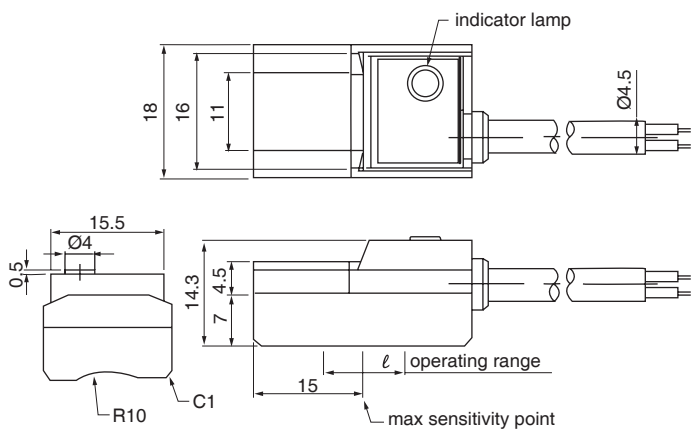
Leakage Current	None
Lead Wire	Oil resistant vinyl jacket VW-1
Jacket	4.5Ø mm(Grey, Black)
Conductor	0.08 × 60(coil)
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500V Between case & Lead wire
Endurance Voltage	For 1 Min under AC1500V Between case & Lead wire
Temperature Range	-10~60℃
Enclosure	IP67
Response Time	Less than 1msec

※ Standard Lead wire is 1 meter long, Longer size are available by order.

[AP] RO SPECIFICATION

Specification	[AP] RO		
Input Load	PLC, Relay		
Load Voltage	DC24V	AC110V	AC220V
Load Current	5~40mA	5~20mA	5~12.5mA
Contact Protect Circuit	None		
Int'l Voltage Drop	2.7V		
Signal Lamp	Red LED Emitting S/W ON		

MAX SENSITIVITY POINT /
OPERATING RANGE / DIMENSION



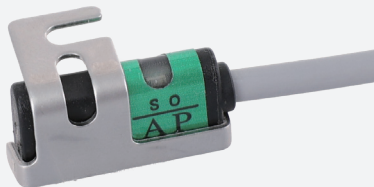
[AP] SO(CKD TYPE)



SO Braket

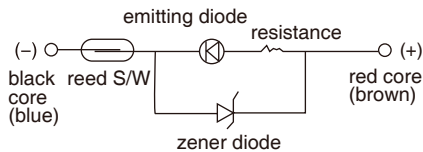


Assemble view



CONNECTION DIAGRAM

[AP] SO



[AP] SO AUTO S/W
 CHARACTER & APPLICATION CONDITION

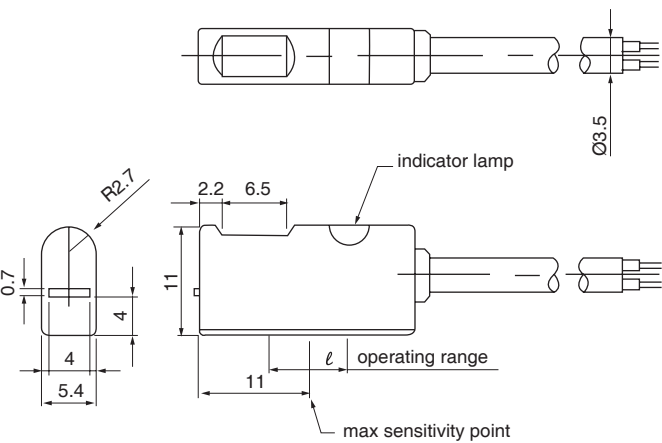
Leakage Current	None
Lead Wire	Oil resistant vinyl jacket VW-1
Jacket	3.5Ø mm(Grey, Black)
Conductor	0.08 × 40(coil)
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500V Between case & Lead wire
Endurance Voltage	For 1 Min under AC1500V Between case & Lead wire
Temperature Range	-10~60℃
Enclosure	IP67
Response Time	Less than 1msec

※ Standard Lead wire is 1 meter long, Longer size are available by order.

[AP] SO SPECIFICATION

Specification	[AP] SO	
Input Load	PLC, Relay	
Load Voltage	DC24V	AC110V
Load Current	5~40mA	5~20mA
Contact Protect Circuit	None	
Int'l Voltage Drop	2.7V	
Signal Lamp	Red LED Emitting S/W ON	

MAX SENSITIVITY POINT /
 OPERATING RANGE / DIMENSION



[AP] APC (FX-2)



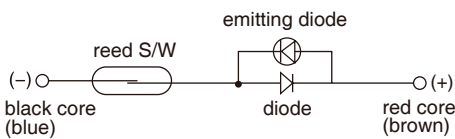
[AP] APC AUTO S/W
 CHARACTER & APPLICATION CONDITION

Leakage Current	None
Lead Wire	Oil resistant vinyl jacket VW-1
Jacket	3.5Ø mm(Grey, Black)
Conductor	0.08 × 60(coil)
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500V Between case & Lead wire
Endurance Voltage	For 1 Min under AC1500V Between case & Lead wire
Temperature Range	-10~60℃
Enclosure	IP67
Response Time	Less than 1msec

※ Standard Lead wire is 1 meter long, Longer size are available by order.

CONNECTION DIAGRAM

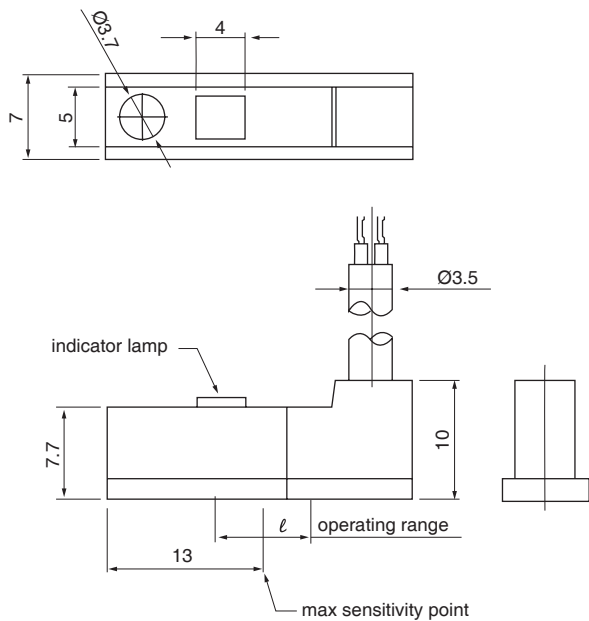
[AP] APC



[AP] APC SPECIFICATION

Specification	[AP] APC	
Input Load	PLC, Relay	
Load Voltage	DC24V	AC110V
Load Current	5~40mA	5~20mA
Contact Protect Circuit	None	
Int'l Voltage Drop	2.7V	
Signal Lamp	Red LED Emitting S/W ON	

MAX SENSITIVITY POINT /
 OPERATING RANGE / DIMENSION



[AP] MA-1 (Kuroda TYPE)



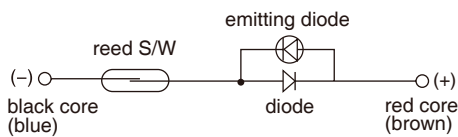
[AP] MA-1 AUTO S/W
CHARACTER & APPLICATION CONDITION

Leakage Current	None
Lead Wire	Oil resistant vinyl jacket VW-1
Jacket	3.5Ø mm(Grey, Black)
Conductor	0.08 × 40(coil)
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500V Between case & Lead wire
Endurance Voltage	For 1 Min under AC1500V Between case & Lead wire
Temperature Range	-10~60℃
Enclosure	IP67
Response Time	Less than 1msec

※ Standard Lead wire is 1 meter long, Longer size are available by order.

CONNECTION DIAGRAM

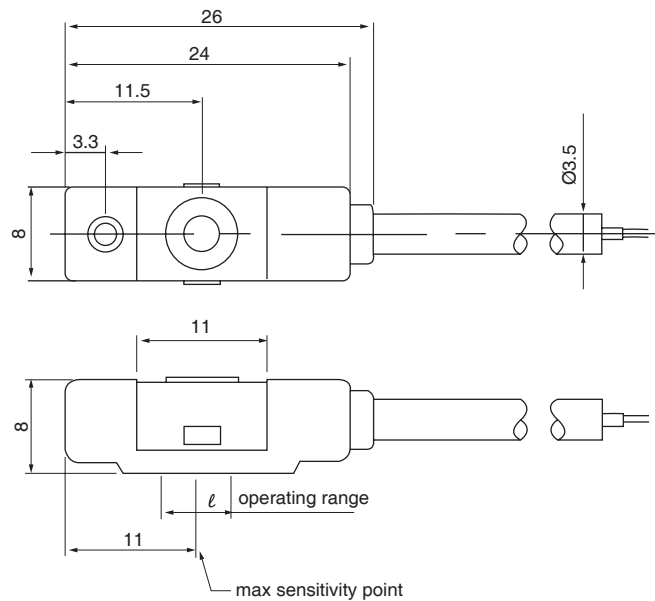
[AP] MA-1



[AP] MA-1 SPECIFICATION

Specification	[AP] MA-1	
Input Load	PLC, Relay	
Load Voltage	DC24V	AC110V
Load Current	5~40mA	5~20mA
Contact Protect Circuit	None	
Int'l Voltage Drop	2.7V	
Signal Lamp	Red LED Emitting S/W ON	

**MAX SENSITIVITY POINT /
OPERATING RANGE / DIMENSION**



[AP] D-F8□ SERIES



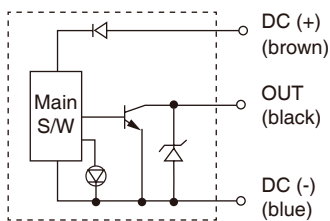
[AP] D-F8□ AUTO S/W CHARACTER & APPLICATION CONDITION

Lead Wire	Oil resistant vinyl jacket(VW-1, Fire retardant)
Jacket	2.6Ø mm(Grey)
Conductor	0.08 × 30(coil)
Enclosure Rating	IP67
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500 Mega (Between case & Lead wire)
Response Time	1msec
Temperature Range	-10~70℃
Endurance Voltage	For 1 Min under AC1500V (Between case & Lead wire)
Response Time	Less than 1msec

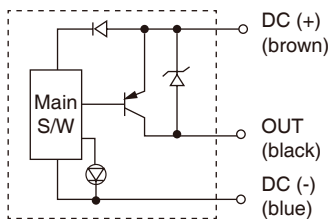
※ Standard Lead wire is 1 meter long, Longer size are available by order.

CONNECTION DIAGRAM

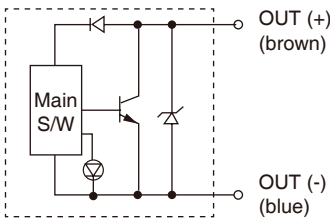
• [AP] D-F8N



• [AP] D-F8P



• [AP] D-F8B



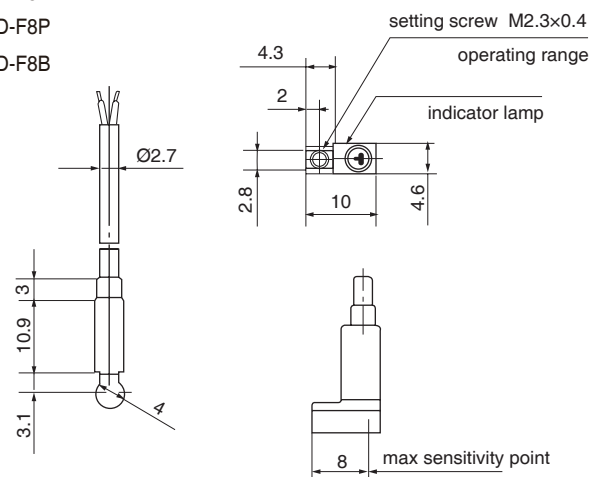
[AP] D-F8N Series FEATURES

Specification	[AP] D-F8N	[AP] D-F8P	[AP] D-F8B
Output Function	NPN	PNP	2Wire
Input Load	IC, PLC, Relay		
Connection	3Wire		2Wire
Input Voltage	DC4.5~28V		DC24V(10~28V)
Load Current	0~100mA		5~50mA MAX
Int'l Voltage Drop	0.8V		4.5V
Leakage Current	100uA		1mA MAX
Signal Lamp	Red LED Emitting when S/W		

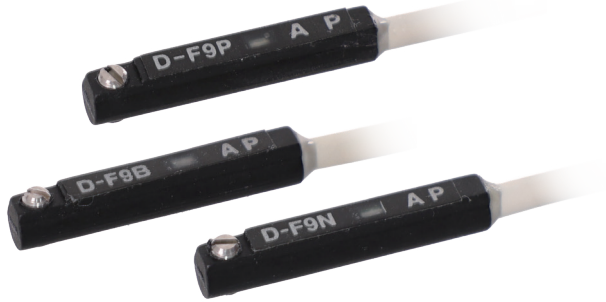
※ N.C (Normal Close) type models are also available.

MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION

- [AP] D-F8N
- [AP] D-F8P
- [AP] D-F8B

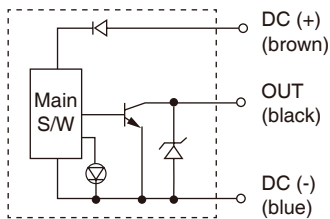


[AP] D-F9□ SERIES

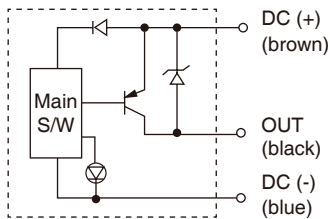


CONNECTION DIAGRAM

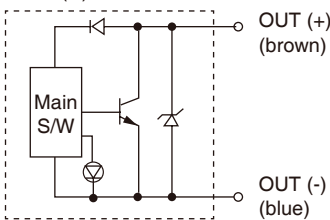
• [AP] D-F9N(V)



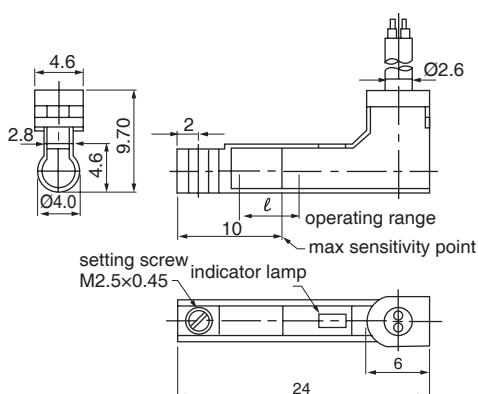
• [AP] D-F9P(V)



• [AP] D-F9B(V)



MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION



SPECIFICATION

Lead Wire	Oil resistant vinyl jacket(VW-1, Fire retardant)
Jacket	2.6Ø mm(Grey)
Conductor	0.08 × 30(coil)
Enclosure Rating	IP67
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500 Mega (Between case & Lead wire)
Response Time	1msec
Temperature Range	-10~60℃
Endurance Voltage	For 1 Min under AC1500V (Between case & Lead wire)

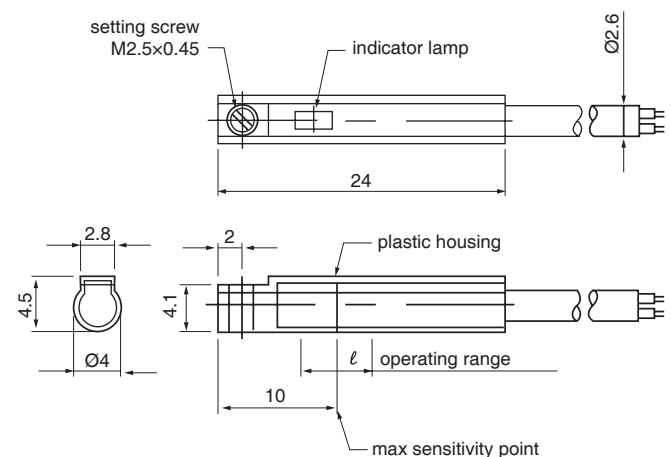
※ Standard Lead wire is 1 meter long, Longer size are available by order.

[AP] D-F9N(V) Series FEATURES

Specification	[AP] D-F9N(V)	[AP] D-F9P(V)	[AP] D-F9B(V)
Output Function	NPN	PNP	2Wire
Input Load	IC, PLC, Relay		
Connection	3Wire		2Wire
Input Voltage	DC4.5~28V		DC24V(10~28V)
Load Current	0~100mA		5~50mA MAX
Int'l Voltage Drop	0.8V		4.5V
Leakage Current	100uA		1mA MAX
Signal Lamp	Red LED Emitting when S/W		

※ N.C (Normal Close) type models are also available.

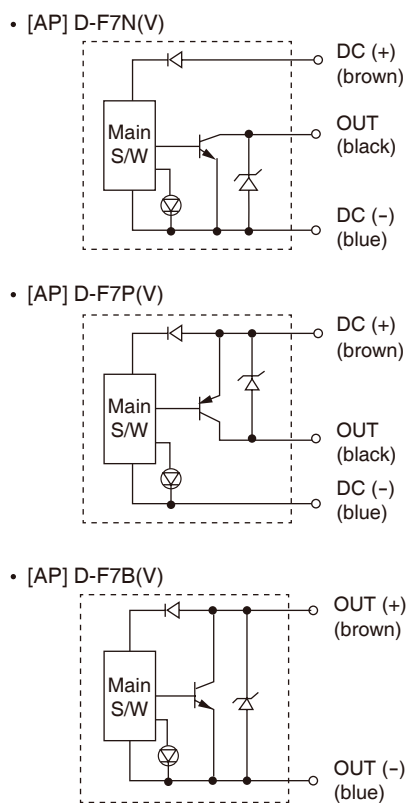
MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION



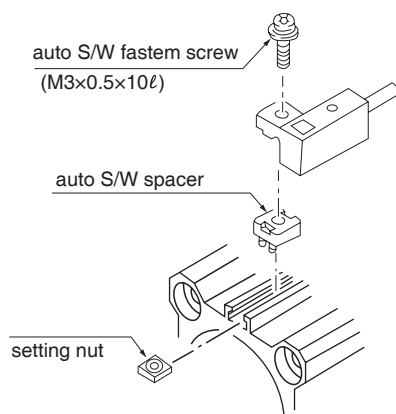
[AP] D-F7□V SERIES



CONNECTION DIAGRAM



AUTO S/W INSTALL / REMOVE



SPECIFICATION

Lead Wire	Oil resistant vinyl jacket(V W-1, Fire retardant)
Jacket	3.5Ø mm(Grey, Black)
Conductor	0.08 × 30(coil)
Enclosure Rating	IP67
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500 Mega (Between case & Lead wire)
Response Time	1msec
Temperature Range	-10~60℃
Endurance Voltage	For 1 Min under AC1500V (Between case & Lead wire)

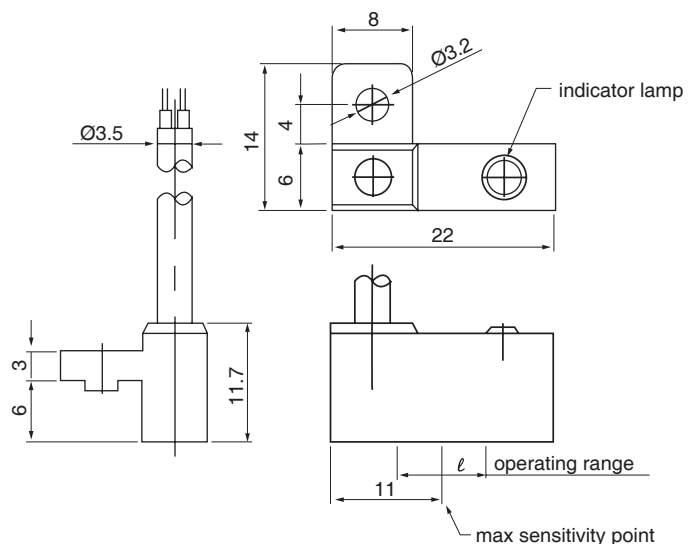
※ Standard Lead wire is 1 meter long, Longer size are available by order.

[AP] D-F7 Series FEATURES

Specification	[AP] D-F7N(V)	[AP] D-F7P(V)	[AP] D-F7B(V)
Output Function	NPN	PNP	2Wire
Input Load	IC, PLC, Relay		
Connection	3Wire	2Wire	
Input Voltage	DC4.5~28V		DC24V(10~28V)
Load Current	0~100mA		5~50mA MAX
Int'l Voltage Drop	0.8V		4.5V
Leakage Current	100uA		1mA MAX
Signal Lamp	Red LED Emitting when S/W		

※ N.C (Normal Close) type models are also available.

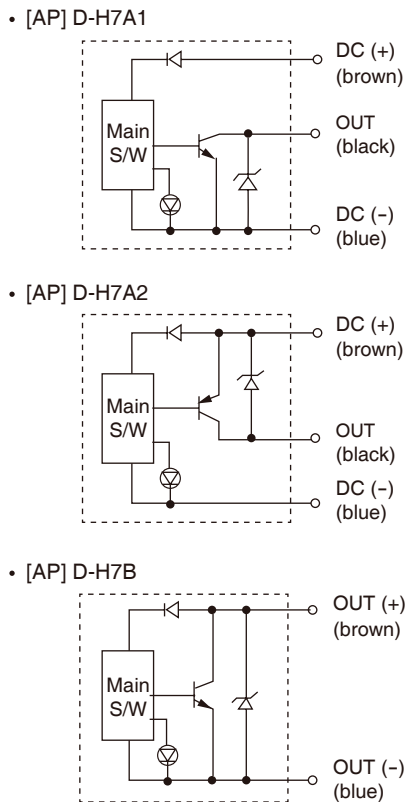
MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION



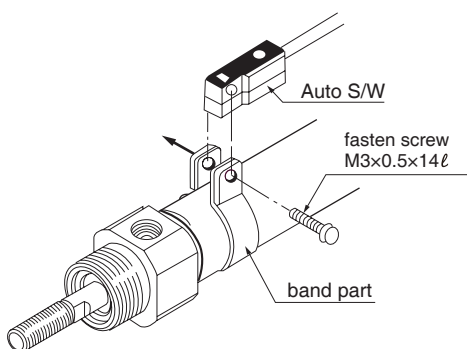
[AP] D-H7□ SERIES



CONNECTION DIAGRAM



AUTO S/W INSTALL / REMOVE



SPECIFICATION

Lead Wire	Oil resistant vinyl jacket(VW-1, Fire retardant)
Jacket	3.5Ø mm(Ivory)
Conductor	0.08 × 30(coil)
Enclosure Rating	IP67
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500 Mega (Between case & Lead wire)
Response Time	1msec
Temperature Range	-10~60℃
Endurance Voltage	For 1 Min under AC1500V (Between case & Lead wire)

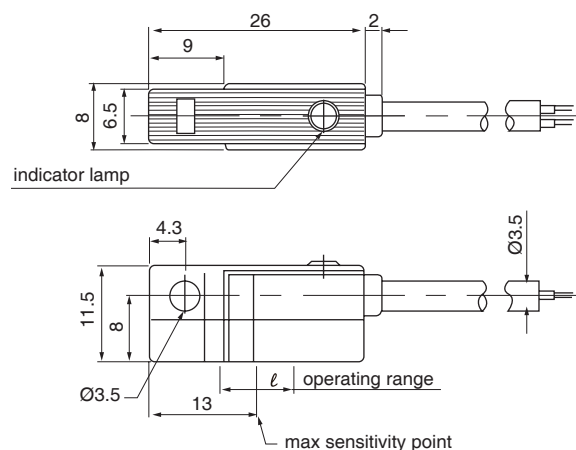
※ Standard Lead wire is 1 meter long, Longer size are available by order.

[AP] D-H7A Series FEATURES

Specification	[AP] D-H7A1	[AP] D-H7A2	[AP] D-H7B
Output Function	NPN	PNP	2Wire
Input Load	IC, PLC, Relay		
Connection	3Wire		2Wire
Input Voltage	DC4.5~28V		DC24V(10~28V)
Load Current	0~100mA		5~50mA MAX
Int'l Voltage Drop	0.8V		4.5V
Leakage Current	100uA		1mA MAX
Signal Lamp	Red LED Emitting when S/W		

※ N.C (Normal Close) type models are also available.

MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION



[AP] D-Y59□ SERIES



SPECIFICATION

Lead Wire	Oil resistant vinyl jacket(VW-1, Fire retardant)
Jacket	3.5Ø mm(Ivory)
Conductor	0.08 × 30(coil)
Enclosure Rating	IP67
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500 Mega (Between case & Lead wire)
Response Time	1msec
Temperature Range	-10~60℃
Endurance Voltage	For 1 Min under AC1500V (Between case & Lead wire)

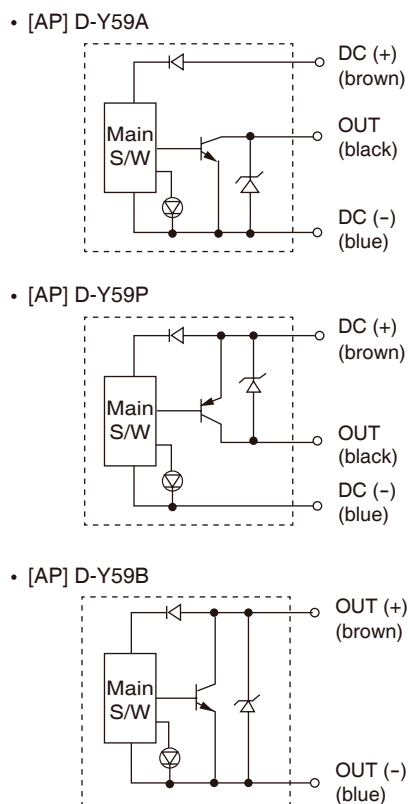
※ Standard Lead wire is 1 meter long, Longer size are available by order.

[AP] D-Y59A Series FEATURES

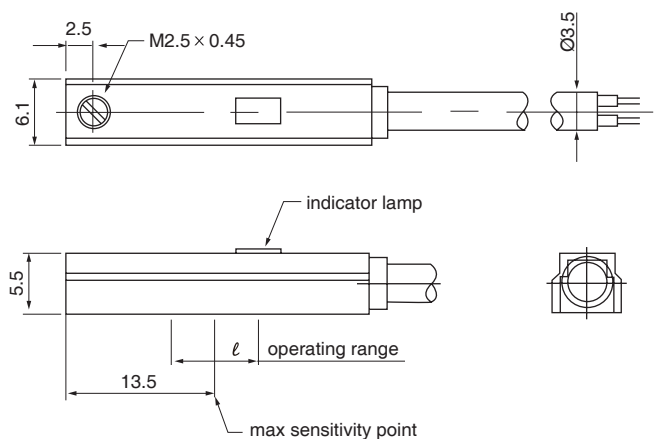
Specification	[AP] D-Y59A	[AP] D-Y59P	[AP] D-Y59B
Output Function	NPN	PNP	2Wire
Input Load	IC, PLC, Relay		
Connection	3Wire		2Wire
Input Voltage	DC4.5~28V		DC24V(10~28V)
Load Current	0~100mA		5~50mA MAX
Int'l Voltage Drop	0.8V		4.5V
Leakage Current	100uA		1mA MAX
Signal Lamp	Red LED Emitting when S/W		

※ N.C (Normal Close) type models are also available.

CONNECTION DIAGRAM



MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION



[AP] D-□59 SERIES



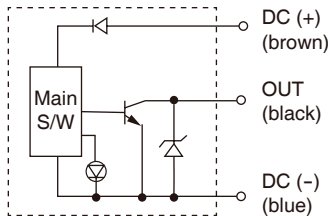
SPECIFICATION

Lead Wire	Oil resistant vinyl jacket(VW-1, Fire retardant)
Jacket	3.5Ø mm(Ivory)
Conductor	0.08 × 30(coil)
Enclosure Rating	IP67
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500 Mega (Between case & Lead wire)
Response Time	1msec
Temperature Range	-10~60℃
Endurance Voltage	For 1 Min under AC1500V (Between case & Lead wire)

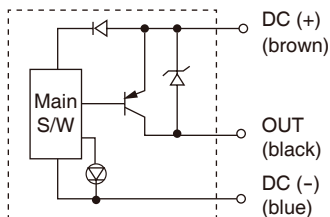
※ Standard Lead wire is 1 meter long, Longer size are available by order.

CONNECTION DIAGRAM

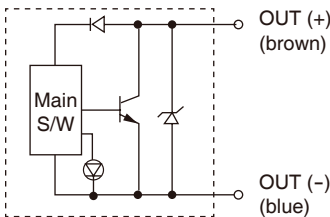
• [AP] D-F59



• [AP] D-F59P



• [AP] D-J59

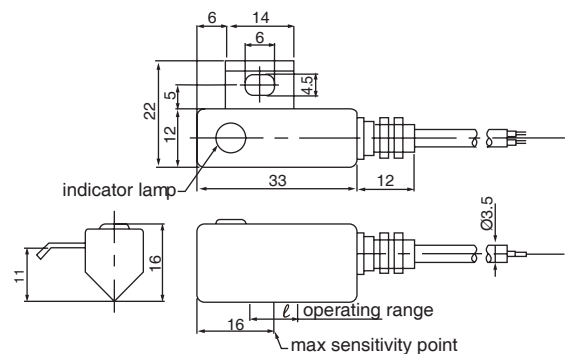


[AP] D-F59 Series FEATURES

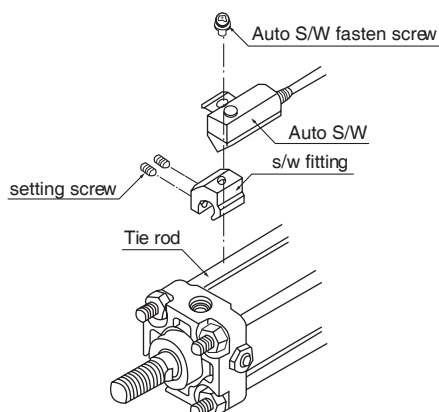
Specification	[AP] D-F59	[AP] D-F59P	[AP] D-J59
Output Function	NPN	PNP	2Wire
Input Load	IC, PLC, Relay		
Connection	3Wire		2Wire
Input Voltage	DC4.5~28V		DC24V(10~28V)
Load Current	0~100mA		5~50mA MAX
Int'l Voltage Drop	0.8V		4.5V
Leakage Current	100uA		1mA MAX
Signal Lamp	Red LED Emitting when S/W		

※ N.C (Normal Close) type models are also available.

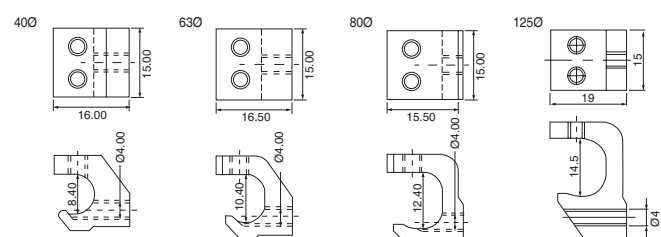
MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION



AUTO S/W INSTALL / REMOVE



FITTING BRACKETS ON TIE TYPE [AP] D-F59, D-F59P, D-59B



[AP] R2/R3 (CKD TYPE)



SPECIFICATION

Lead Wire	Oil resistant vinyl jacket(VW-1, Fire retardant)
Jacket	4.5Ø mm(Grey, Black)
Conductor	0.08 × 60(coil)
Enclosure Rating	IP67
Shock/Vibration	30G
Insulation	Up to 50MΩ at DC500 Mega (Between case & Lead wire)
Response Time	1msec
Temperature Range	-10~60℃
Endurance Voltage	For 1 Min under AC1500V (Between case & Lead wire)

※ Standard Lead wire is 1 meter long, Longer size are available by order.

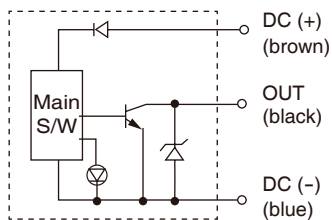
[AP] R3, R2, R5 Series FEATURES

Specification	[AP] R3	[AP] R2	[AP] R5
Output Function	NPN	PNP	2Wire
Input Load	IC, PLC, Relay		
Connection	3Wire		2Wire
Input Voltage	DC4.5~28V		DC24V(10~28V)
Load Current	0~100mA		5~50mA MAX
Int'l Voltage Drop	0.8V		4.5V
Leakage Current	100uA		1mA MAX
Signal Lamp	Red LED Emitting when S/W		

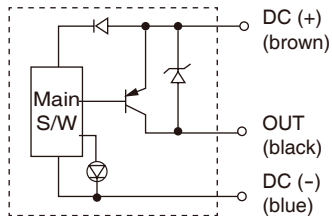
※ N.C (Normal Close) type models are also available.

CONNECTION DIAGRAM

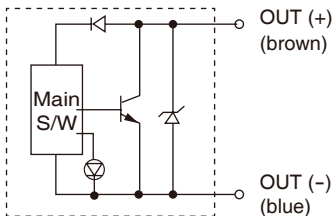
• [AP] R3



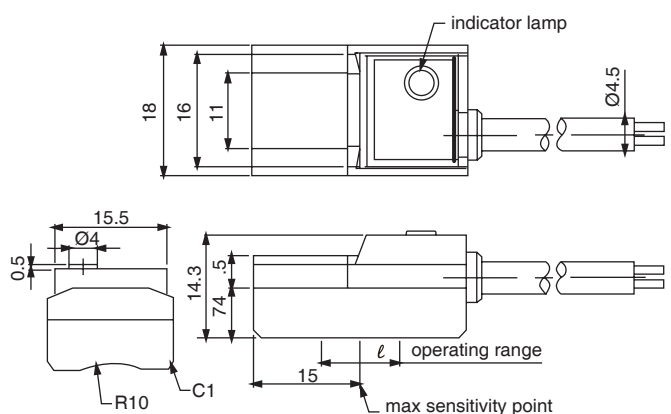
• [AP] R2



• [AP] R5



MAX SENSITIVITY POINT / OPERATING RANGE / DIMENSION

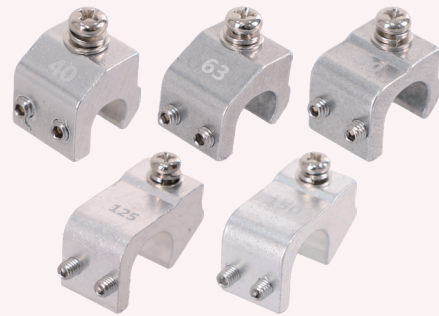


Brackets



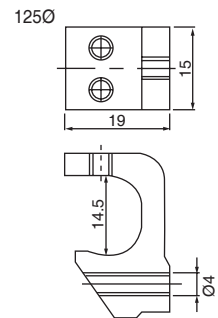
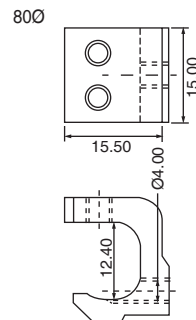
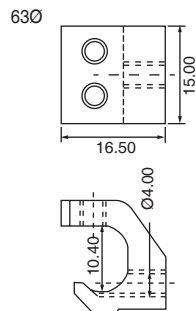
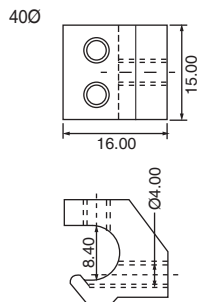
◀ Assemble view

BK 40~150Ø



FITTING BRACKETS ON TIE ROD TYPE(D-A54 SERIES)

BK Size description



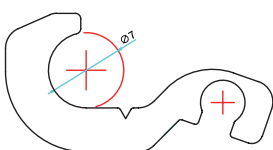
◀ Assemble view

S 32-200Ø



FITTING BRACKETS ON TIE ROD TYPE(D-A93 SERIES)

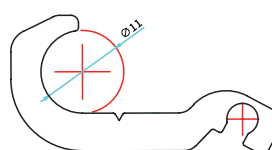
S BK Size description



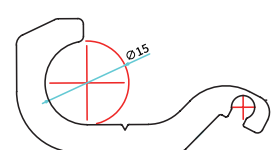
S-40



S-63



S-80

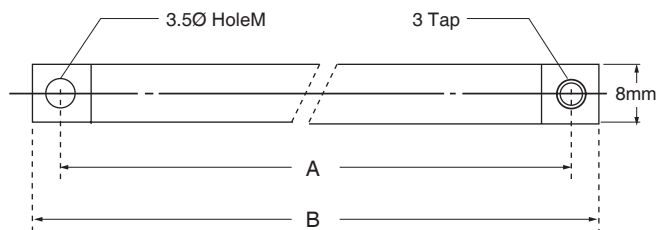


S-125

Band



FASTEN BAND FOR AUTO S/W FOR D-C73, D-C75(only for SUS cyl)

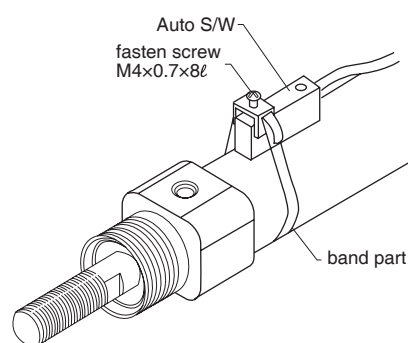


SPECIFICATION FOR FASTEN BAND

NO	cyl outer dia	A	B
1	6Ø	34.5	41
2	10Ø	45.5	52
3	15Ø	60.5	67.5
4	20Ø	76.5	83
5	25Ø	92.5	99
6	30Ø	107.5	114
7	32Ø	114.5	121
8	40Ø	140.5	147

FREE BAND

PAT NO.0243955



Free Band Setting Example for D-C73 & D-C75

- 1 Put Free Band to cylinder and insert Auto S/W between cylinder & Free Band.
- 2 Positioning Auto S/W on the max sensitivity point and pull over the tip end of Free Band by plier.
- 3 Tightening Auto S/W by driving setting screw on the Free Band.
- 4 After tightening out off excess parts of Band.
- 5 Applicable cylinder size is 6Ø to 40 Ø for standard size of Free Band. Above 40Ø mm to 80Ømm, you are requested a special order.

AUTO SWITCH TESTER & CONNECTORS



AUTO SWITCH TESTER

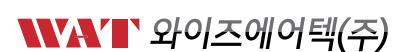
This tester is designed to easily check reed type (contact) and solid-state type (non-contact) auto switches with 2-wire or 3-wire configurations. Depending on the sensor type (NPN, PNP, or 2-wire), the tester indicates the switch operation status (ON/OFF) instantly through LED and buzzer signals.

Sensor Connector Cables (M8 / M12)

High-quality M8 and M12 sensor connector cables for autoswitches and automation sensors. Available in various lengths and configurations.

PARTNER COMPANIES

This is a list of partner companies that collaborate with Saewon Electronics Co., Ltd.





AGENCY

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<http://www.autoswitches.co.kr>
E-mail: saewon@autoswitches.co.kr