

VALVE POSITION MONITOR APL-2N SERIES

**Compact, light, low height , small design for
valve and actuator position indication**

**WEATHERPROOF
IP 67**



FEATURES

- Solid and compact design
Aluminium die-casting housing and powder coating.
- Bolts on visual position indicator
- Quick-set" cam
Spring loaded splined cam.
No need to adjust again after initial setting.
Easy setting without tool
- Dual cable entries
2 x 1/2 NPT(Standard)
M20,PG13.5,PF1/2",PT1/2".(Option)
- Captive cover bolts
No worry to loose bolts while cover open.
- Easy mounting bracket
NAMUR standard stainless steel shaft and bracket.



SPECIFICATION	STANDARD	OPTION	MATERIAL	
Enclosure	Weatherproof IP67/NEMA4&4X	IP 68	Housing cover&body	Aluminium die casting
Ambient temperature	-20°C ~ 80°C		Shaft	Stainless steel
Conduit entries	Two NPT1/2"	Two PF1/2",PT1/2" M20,PG13.5	Indicator cover	Polycarbonate
Terminal Strips	8 points (0.08-2.5mm ²)		Indicator	ABS/Polycarbonate
Position indicator	0 ~ 90° (90° turn free join) close:red open:yellow	0 ~ 90° close:red open:green	Cam	Polycarbonate
Switches	Mechanical switch x2 proximity sensor x2		Spring	Stainless steel
External coating	Polyester powder coating(black)	Nylon others on request red,green,blue, yellow,silver,	Housing cover bolt	Stainless steel
Shaft	Standard shaft(83mm/16mm)	Option shaft(FREE)	O -ring	NBR
			Bushing	Bronze
			E-ring(shaft)	Stainless steel
			Earth lug	Stainless steel
			Bracket	Stainless steel

Position indicator



Re-adjustment available upon required direction

Shaft



90° Closed or Open for rotary application



90° Open or Closed for rotary application



45° Open or Closed for linear application

Conduit entries

Cable entry due to length and thickness

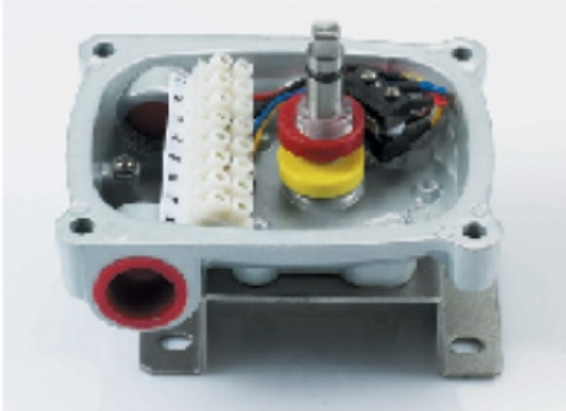


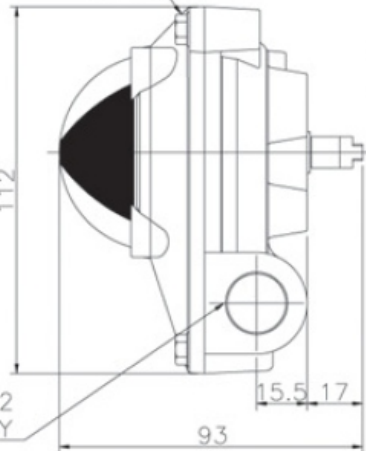
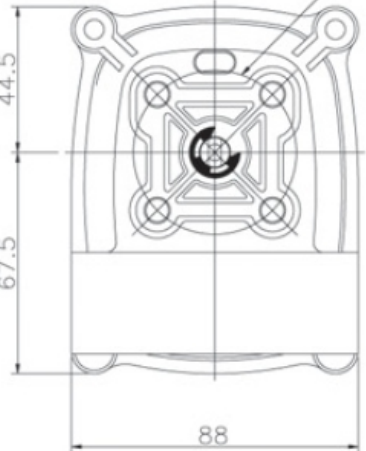
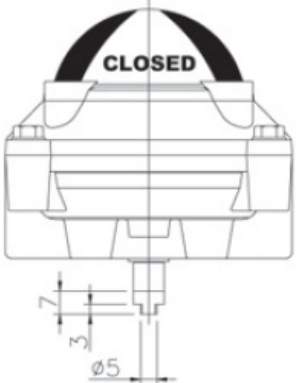
Captive cover bolts

cover bolts are specially designed to prevent losing it during maintenance or installation.



SWITCH SPECIFICATION

Mechanical switch (2SPDT) APL-210N	Proximity sensor APL-220N
 Standard switch : SS5GL(Omron) 2SPDT switches (option: spst-nc, spst-no) Contact arrangement: 250V AC/3A, 125V AC/5A 250VDC/0.2A , 125VDC/0.4A, 30VDC/4A, Optional switch : SS10GL(Omron) 2SPDT switches (option: spst-nc, spst-no) Contact arrangement: 250V AC/10.1A, 125V AC/10.1A 250VDC/0.2A , 125VDC/0.4A, 30VDC/4A, Approved standards:UL,CSA,SEMKO,SEV EN61058-1	 Standard sensor : NJ2-V3-N (P&F) Inductive proximity sensor (intrinsically safe) Voltage range: 8V DC (IP67 to IEC 60529) Operating distance: 2mm Optional sensor EMC to EN60947-5-2 NBB2-V3-E2/E3(PNP): 10 - 30V DC Operating distance: 2mm NBB2-V3-E0 (NPN): 10 - 30V DC Operating distance: 2mm NBB3-V3-Z4/Z5 : 5 - 60V DC Operating distance: 3mm

DIMENSION APL 2N SERIES			
			

BRACKET	NAMUR STANDARD																
	<table><tr><th>Model No</th><th>Material</th><th>Application</th></tr><tr><td>MBP-100</td><td>Stainless steel</td><td>30x80 h20</td></tr><tr><td>MBP-200</td><td>Stainless steel</td><td>30x80 h30</td></tr><tr><td>MBP-300</td><td>Stainless steel</td><td>30x130 h30</td></tr><tr><td>MBP-400</td><td>Stainless steel</td><td>30x130 h50</td></tr></table>	Model No	Material	Application	MBP-100	Stainless steel	30x80 h20	MBP-200	Stainless steel	30x80 h30	MBP-300	Stainless steel	30x130 h30	MBP-400	Stainless steel	30x130 h50	
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