



LEVEL SWITCHES

CABLE SUSPENDED FLOAT TYPE

506

507

506 SERIES



304SS / 316SS
PVC / PP / PVDF

507C

507D

PP (AD1-3L-2)

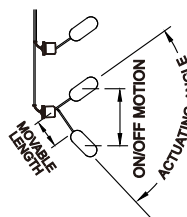
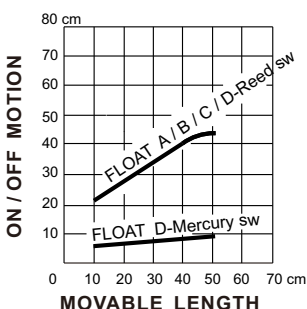
FEATURES

- LOW COST
- EASY TO INSTALL
- HIGH RELIABILITY
- UL-proved micro switch element with accurate precision can be used up to 1 million times.
- RANGE ADJUSTABLE
- SUITABLE FOR EVERY TYPE OF LIQUIDS
- PRESSURE TEST UP TO 400KPa AT 20°C
- ANTI-REVERSED IMPERVIOUS SEALING

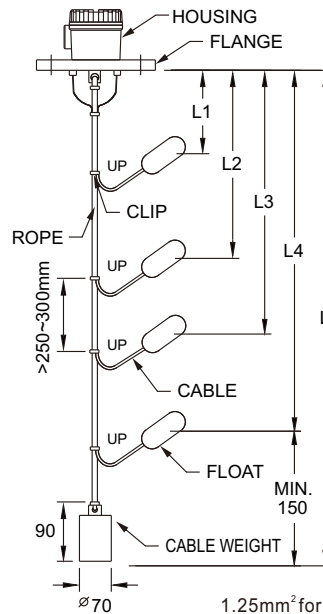
HOUSING SELECTION

ITEMS	SPECIFICATIONS	
	B	C
CODE		
MATERIAL	ADC w/ Polyester epoxy or 316SS	PC
CABLE ENTRY	1/2" or 3/4"NPT(F) or specified	PG16 or specified
ENCLOSURE	IP67 P/N:KNC (for ADC) P/N:LS (for 316SS)	IP65
EXTERNAL VIEW & DIMENSIONS (mm)		

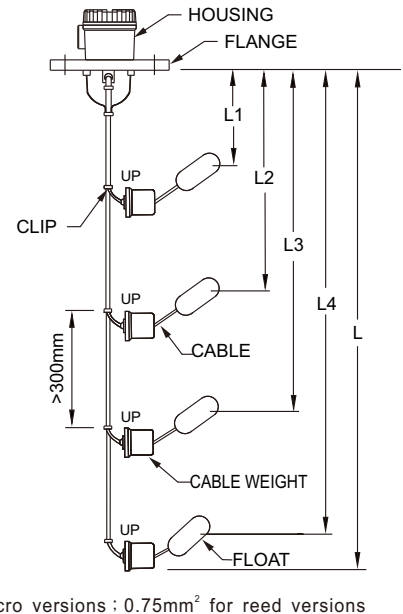
ON/OFF MOTION & MOVABLE LENGTH



506



507



1.25mm² for micro versions ; 0.75mm² for reed versions

FLOAT SELECTIONS

ITEMS	SPECIFICATIONS				
	A	B	C	D	
FLOAT STYLE	ABS	PVC	PP	316SS (1.4571)	
FLOAT MATERIAL	ABS	PVC	PP	316SS (1.4571)	
FLOAT DIMENSIONS	∅65X105mm			∅50X150mm	
CONTACT ELEMENT	Micro sw (st'd) / Reed sw (option)			Reed switch Mercury sw	
CONTACT FORM	SPDT for micro sw / SPST-NC, SPST-NO, SPDT for reed switch				
CONTACT RATING	10A 250V AC (St'd) / 16A 250V AC(option) for Micro switch 3A 250V AC for reed switch				
CABLE MATERIAL	VCT / WRC approved PVC (Standard) Rubber / Silicon or specified				
CABLE SIZE	1.25mm ² for micro versions ; 0.75mm ² for reed versions				
CABLE WEIGHT	WEIGHT				
	2.2~2.5kg±50g for Model 506 ; 750g±20g/pc for Model 507				
CABLE WEIGHT	METERIAL				
	The model 506 can be specified upon ordering The model 507 are made by PP(standard) or special specified				
OPERATING TEMP.	-10~50°C	0~60°C	-10~80°C Depend on cable	-10~80°C depend on cable	
SPECIFIC GRAVITY	≥0.6 for reed or mercury version ≥0.8 for micro version			≥0.7	
PROTECTION RATING	IP68, The pressure test up to 400KPa at 20°C				
ACTUATING ANGLE	60°±2° (ON-OFF)			60°±2° 7°±2°	
SUITABLE LIQUIDS	WASTE WATER ≤30°C	pH5~9	pH2~12	pH2~12	pH5~9
	SEAWATER	×	○	○	×
	SLUDGE WATER WITH SOLIDS (pH7)	○	○	○	△
	SEWAGE WATER WITH SLURRY (pH7)	○	○	○	△
	HCL (15%, 60°C)	×	○	○	×
	H ₂ SO ₄ (30%, 60°C)	×	○	○	×
	HNO ₃ (30%, 60°C)	△	○	○	○
	NaOH (30%, 60°C)	×	○	○	○
	LIGHT / HEAVY OIL	×	△	△	○
	TURBINE LUBE OIL	×	△	△	○

KEY: ○ - Suitable, △ - Practicable but may be faulted, × - Unsuitable

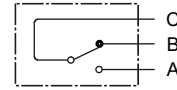
5 LEVEL

MODEL SELECTIONS

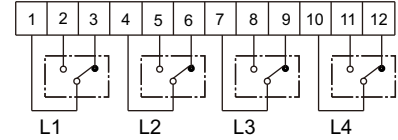
ITEMS	CODE	SPECIFICATIONS		
① MODEL	506	FLANGED HOLDER WITH A ROPE AND A COMMON WEIGHT UNIT		
	507	UNITARY WEIGHT ASSEMBLED IN EACH CABLE FLOAT		
② FLOAT MATERIALS	A	ABS FLOAT		
	B	PVC FLOAT		
	C	PP FLOAT		
	D	316SS FLOAT		
	E	OEM VERSIONS		
③ NUMBERS OF FLOAT ASSEMBLY	-1	1 PC/SET (Single float)		
	-9	9 PCS/SET		
④ FORM / RATING OF CONTACTS	0	SPDT / 3A 250V AC (506D Standard)		
	1	SPDT / 10A 250V AV (506A / B / C Standard)		
	2	SPDT / 16A 250V AC (506A / B / C Options)		
	3	To be specified		
⑤ MATERIAL & P/N OF CABLE WEIGHT	0	Not required		
	1	PP-750g (For 507 series) P/N:AD1-3L-2		
	2	PVC-2.2kg (For 506 series) P/N:AD1-2BL-1		
	3	PP-2.2kg (For 506 series) P/N:AD1-2BL-2		
	4	304SS-2.5kg (For 506 series) P/N:AD1-2BL-3		
	5	316SS-2.5kg (For 506 series) P/N:AD1-2BL-4		
⑥ ROPE MATERIAL	-A	Not required		
	-B	PE		
	-C	304SS (1.4301)		
	-D	316SS (1.4571)		
	-E	To be specified		
⑦ CONNECTION	A	Not required		
	B	3" ANSI 150lb Flange		
	C	4" ANSI 150lb Flange		
	D	To be specified		
⑧ FLANGE MATERIAL	A	Not required	D	304SS (1.4301)
	B	PVC	E	316SS (1.4571)
	C	PP	F	To be specified
⑨ HOUSING MATERIAL / RATING	A	Not required		
	B	ADC w/ Polyester epoxy painted / IP68 (STD)		
	C	PC / IP65		
	D	ADC w/Polyester epoxy painted / Type LH2 NEMA 4X/IP68(For class I , Div. I , Groups B/C/D Class II/III, Div. I , Groups E/F/G)		
	E	316SS w/Polyester epoxy painted / IP67		
	F	316SS w/Polyester epoxy painted / Type LH2 NEMA 4X/IP68(For class I , Div. I , Groups B/C/D Class II/III, Div. I , Groups E/F/G)		
⑩ CABLE LENGTH (SINGLE FLOAT ONLY) or L-LENGTH (MAXIMUM INSERTION LENGTH)	-050	50 cm		
	-900	900 cm		
	-XXX	More than 900 cm		
⑪ OPTIONAL	A	Not required	C	Mounting bracket
	B	Special finished	D	Rubber cable
	E	Silicon cable	F	To be specified

WIRING CONNECTIONS

■ SINGLE FLOAT



■ MULTIPLE ASSEMBLED



INSTRUCTIONS

FIG. 1

Plenty of space is required in order to allow the float moving up and down.

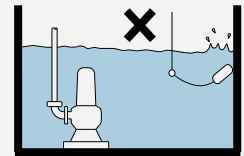


FIG. 2

Prevent the float from being affected by waves or running water.

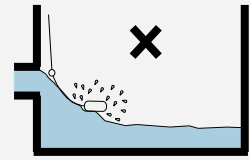


FIG. 3

When combining several floats, the distance between floats should be observed carefully to avoid entanglement.

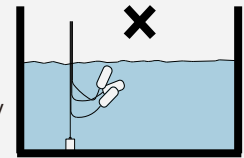


FIG. 4

When reset the float position, any loophole should not be made.

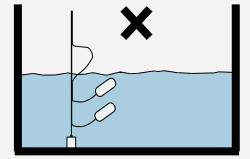
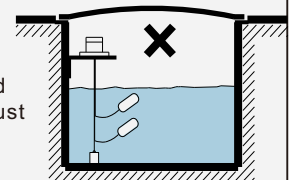


FIG. 5

The terminal housing should not be mounted in a pit and must be kept dry at any time.



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