



North American Sensors Corporation

Custom Level Switches

Ideal Uses

Stainless Steel

- Water
- Oil
- Chemicals
- High temperature
- High pressure

Brass & Buna

- Oils
- Fuels
- Solvents

PVC/PP

- Water
- Chemicals
- Non-metallic applications



A wide range of process connections, float sizes, junction boxes, and materials of construction are available. You may use the multi-level specification sheet to help you decide which model is right for your application, or feel free to call us and we will guide you through the process.

Available materials of construction

- 316 Stainless steel (Standard)
- Brass
- PVC (polyvinyl chloride)
- Polyethylene
- polypropylene

31 Series

- 5/16" Stem
- 6' maximum length

50 Series

- 1/2" stem
- 12' maximum length

75 Series

- 3/4" stem diameter
- 15' maximum length

100 Series

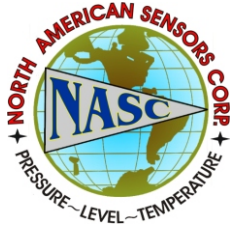
- 1" stem diameter
- 15' maximum length

- Multiple variations are available for custom requirements.
- Call us to inquire about other continuous level units.

*See back of page for model designations.

1-800-259-6874

23400 HWY. 435 ABITA SPRINGS, LA. 70420



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Custom Level Switches

(EX.) MLS-S50-T250-SSW-C50/W18"-502

MLS=Multi-level switch
CLS=Custom level switch (one level)
SLS= Side mount level switch (bent stem)
GMLS=Guarded level switch

Float Protection
 (Optional)
 SSW=S.S. Stilling Well
 PSW=PVC Stilling Well

Electrical Transitions
 Please see Page 3 for selection information

* Float ID #

- 301
- 302
- 501
- 502
- 503
- 701
- 505
- 506
- 1001



Materials of Construction

S= Stainless steel
P= PVC
B = Brass
PP= Polypropylene
O = Other

30= 5/16" stem
50= 1/2" stem
70= 3/4" stem
100= 1" stem

Switch Mounting

Threaded Connections
T125= 1/8" MNPT
T250= 1/4" MNPT
T375= 3/8" MNPT
T500= 1/2" MNPT
T750= 3/4" MNPT
T1000= 1" MNPT
T1250= 1-1/4" MNPT
T1500= 1-1/2" MNPT
T2000= 2" MNPT
T3000= 3" MNPT

OR

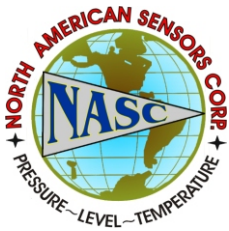
Flanged Connections
R=Raised face
F=Flat face
CS=carbon steel
SS=Stainless steel
F1 = 1" **F2** = 2"
F3 = 3" **F4** = 4"
F5 = 5" **F6** = 6"
F7 = 7" **F8** = 8"

Standard flanges are 150# ANSI
 DIN & JIS flange options also available. Consult factory for details.

There are many different custom options available. If the combination you are looking for is not listed, call factory for information.
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NOTE: Stem I.D. must match Float I.D.
 Ex. 30 series stem - 300 series float.

* See page 4 for detail
 On float options



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(EX.)MLS-S50-T250-SSW-C50/W18"-502-2-(IL=?",L1=?"/O)25-C

Electrical Transition Options

- C50** = 1/2" MNPT
- C55** = 1/2" FNPT
- C70** = 3/4" MNPT
- C75** = 3/4" FNPT
- C100** = 1" MNPT
- C105** = 1" FNPT
- W** ___ = wire termination directly out of mounting (specify length of wire in inches).
- C** ___ = cable length

Screwed Cover Terminal Heads (optional)

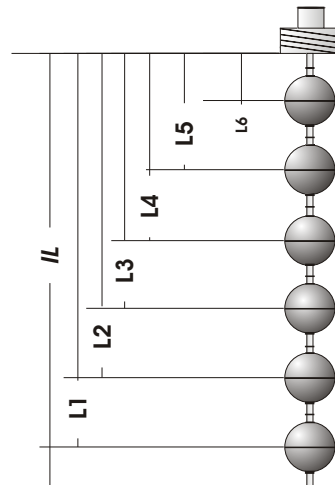
- PSCT** = Plastic
- SSCT** = Stainless Steel
- ASCT** = Aluminum

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Float Stops

- 1** = Grip rings
- 2** = Setscrew collars
- 3** = Special

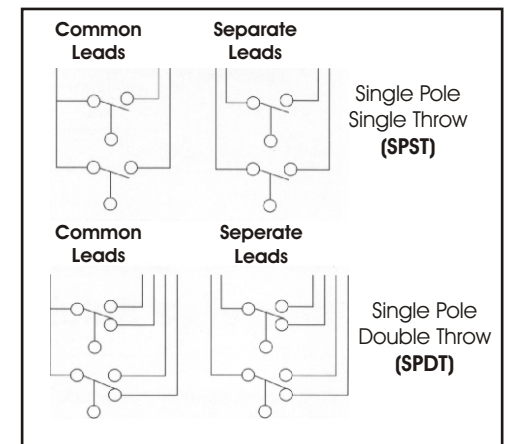


IL = length of unit in inches from bottom of process to end of stem.
L1, L2, etc. = length in inches from bottom of process to middle of float. Float size determines float separation and minimum actuation distance.
O = Switch open in dry position.
C = Switch closed in dry position.
D = SPDT

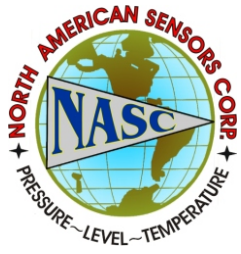
Common Leads

S = Each switch has an independent common..
C = Each switch has a shared common.

Switch ID#	SwitchWatts (VA)	Contact	Contact Position	Max Volts	MAX.
10	10VA	SPST	N.O./N.C.	100VAC/DC	0.3A
25	25VA	SPST/SPDT	N.O./N.C.	250AC/DC	1.0A
100	100VA	SPST/SPDT	N.O./N.C.	120AC	3.0A









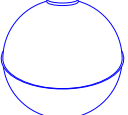


- * Up to 6 switch points with series 50
- * Up to 5 switch points with series 31



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Custom Level Switches Float Selection

Float ID #	Available Series	Material	S.G.	Max. Press.	Max. Temp.	Float Diameter	Float I.D.	Height
301 	31	PVC	.70 +/- .02	65psi	100°F	1.0"	.485"	1.0"
302 	31	316 S.S.	.825 +/- .02	250psi	300°F	.905"	.355"	1.59"
501 	50	316 S.S.	.73 +/- .02	225psi	300°F	1.63"	.58"	1.385"
502 	31	316 S.S.	.76 +/- .02	700psi	300°F	1.19"	.355"	1.115"
503 	50	316 S.S.	.60 +/- .02	750psi	300°F	2.06"	.58"	2.0"
701 	75	316 S.S.	.49 +/- .05	300psi	300°F	3.6"	.93"	3.53"
505 	50	Buna-N	.48 +/- .02	150psi	180°F	1.875"	.875	1.75"
506 	50	Buna-N	.43 +/- .02	150psi	180°F	1.25"	.6"	1.75"
1001 	100	316 S.S.	.45 +/- .05	75psi	300°F	7.1"	1.12"	7.0"

Most floats can be weighted for interface detection between liquids of different specific gravity. Please call for details on ordering specialty floats for interface detection.