## DESCRIPTION

The Multi Level Switch has many configurations．The level control can be used to control pumps，control alarms，including high level liquid and low level liquid． A magnetic equipped float follows the process level． As the level rises or falls the switch changes state giving a contact signal．Economically maintains a level，operates a single or dual pumps and can activate high alarms and low alarms．

## KEY FEATURES

Max Length：180＂
Operating Temperature：$-40^{\circ} \mathrm{C} \sim 80^{\circ} \mathrm{C}$（HT： $120^{\circ} \mathrm{C}$ ） SPST Reed Switch： 70 watt；200VDC／150VAC＠0．5A SPDT Reed Switch： 20 wattl；150VDC／150VAC＠0．5A Max Pressure： 80 PSIG

## PRINCIPLE OF OPERATION

The switching action is achieved through the use of an internal magnet within the float assembly and its interaction with the switch mechanism．As the liquid level fluctuates inside the tank，the float moves．Its magnetic field actuates each reed switch inside the stem and completes an electrical circuit．

## APPROVALS

Conforms to UL STD 61010－1
Certified to CSA STD C22．2\＃61010－1－12


## SELECTION CUIDE

Fitting Type（ $1-1 / 4^{\text {＂}}$ and above，
$1 / 2^{\text {＂NPT Conduit Up）}}$

| $25=\left(1 / 4^{\prime \prime}\right)$ | 1 ＝ 316 Stainless Steel |
| :---: | :---: |
| $38=\left(3 / 8^{\prime \prime}\right)$ | $2=360$ Brass |
| $50=\left(1 / 2^{\prime \prime}\right)$ |  |
| $75=\left(3 / 44^{\prime \prime}\right)$ |  |
| $100=\left(1^{\prime \prime}\right)$ |  |
| $140=\left(11 / 4^{\prime \prime}\right)$ |  |
| $150=\left(11 / 2^{\prime \prime}\right)$ |  |
| $200=\left(2^{\prime \prime}\right)$ |  |
| $250=\left(21 / 2^{\prime \prime}\right)$ |  |
| $300=\left(3^{\prime \prime}\right)$ |  |
| F100＝1＂FLANGE |  |
| F150＝1－1／2＂FLANGE |  |
| F200＝2＂FLANGE |  |
| F300＝3＂FLANGE |  |
| SAE5＝SAE5 FLANGE |  |
| SANF $=$ SANITARY FLANGE |  |
| T＝TUBE END |  |


| $1=1$ Switch Level |
| :--- |
| $2=2$ Switch Levels |
| $3=3$ Switch Levels |
| $4=4$ Switch Levels |
| $5=5$ Switch Levels |
| $6=6$ Switch Levels |
|  |
|  |

## FLOAT OPTIONS

$\mathrm{N}=\varnothing 52 \mathrm{~mm}$ Ball；s／s，S．G．$=0.65$
$P=\varnothing 40 \times 35 \mathrm{~mm} ; \mathrm{s} / \mathrm{s}, \mathrm{S} . \mathrm{G} .=0.68$
$\mathrm{Q}=\varnothing 46 \times 76 \mathrm{~mm} ; \mathrm{s} / \mathrm{s}$（OIfReRNTAA FIOAT） $\mathrm{S} . \mathrm{G}=0.96$
$R=\varnothing 47 \times 48 \mathrm{~mm} ;$ PP，S．G．$=0.5$
$T=\varnothing 47 \times 47 \mathrm{~mm} ;$ BUNA，S．G．$=0.42$
$\mathrm{U}=\varnothing 40 \times 45 \mathrm{~mm} ;$ BUNA，S．G．$=0.4$
$\mathrm{W}=\varnothing 30 \times 45 \mathrm{~mm} ;$ BUNA，S．G．$=0.4$
$\mathrm{X}=\varnothing 52 \mathrm{~mm}$ Ball；s／s，Weighted


## OPTIONS

N4＝NEMA 4X with terminal block
SPDT＝Single Pole，Double Throw
$\mathrm{HT}=$ high temp $125^{\circ} \mathrm{C}$ max
ADJ＝Adjustable




## EXAMPLE：SR200－1－6－U－N4

2＂npt，stainless fitting， 6 levels， 52 mm Ball s／s float，NEMA 4X Enclosure with terminal block．（Levels and switch state to be selected by customer．）
OTHER OPTIONS：
Custom mounts
90 degree bend（for side mount application）
Cable options
Custom Lead lengths
IF YOU DO NOT SEE A SOLUTION FOR YOUR APPLICATION，PLEASE CONTACT US DIRECTLY．WE ARE HERE TO HELP！

## SWITCH WIRING \& ELECTRIGAL SPECIFIGATIONS

Each switching point requires one float. For special applications, a single float can be used to activate two switching points with a minimum separation space of $1 / 8^{\prime \prime}(3 \mathrm{~mm})$.

The maximum number of actuation levels depends on the wiring.


## SWITCH WIRING \& COLOR CODE



