

## Thread model



principle and characteristics

When the liquid level rises or falls, it drives the stainless steel magnetic float ball to move up and down, and the float ball triggers the magnetic spring switch in the detection rod to send a signal.

LF210 series of low price, long life, can be used for liquid level limit monitoring or continuous monitoring. Switching type can provide multi-ball multi-point monitoring, to achieve upper and lower limit alarm or continuous control.

product application

Used for liquid level measurement with density  $\ge$  0.75g/cm3. technical specification

- ♦ Maximum pressure: 5bar
- ♦ medium temperature: −10°C−−130°C
- ◆ medium density: ≥0.75g/cm3
- Output type of switching quantity: Contact type: Dry reed tube switch Contact capacity: 250VAC. 0.5A Output: normally open or normally closed
- Analog output type:
   Power supply: 24 ± 5% DC
   Output: 4–20mA analog quantity
   load: ≤750 Ω
- Protection grade: IP65
- Wiring mode: terminal
- Material: stainless steel

wiring diagram





## Size chart





## Selection table

$ \begin{array}{ c c c c c } \hline First Firs$	LF210-	Α	L1	Ν	L2	F	G	X	В	1	specification
A BA C<	LF210-										LF210 series floating ball level switches
BII <th< th=""><th></th><th>А</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>monosfera</th></th<>		А									monosfera
$ \begin{bmatrix} I \\ I$		В									Multi-ball
R       I       R       I       Normally open + normally open         N       N       I			L1								Measuring range: specially customized L1= mm
Image: Image				R							Normally open + normally closed
FII <th< th=""><th></th><th></th><th></th><th>Ν</th><th></th><th></th><th></th><th></th><th></th><th></th><th>normally open</th></th<>				Ν							normally open
Image:				F							normal close
Installation Image: Second Constraint of Constraint					L2						Measurement range: special custom L2= mm
Installation F Installation F Installation Installatio						Ν					normally open
Installation Image: Special customized L3= mm   Installation N   Installation F   Installation F   Installation F   Image: Special customized L3= mm   Installation F   Image: Special customized L3= mm						F					normal close
Installation N I I Inormally open   Installation F V I Inormal close   Installation F2 I DN25 flanged joint   Installation F5 I DN250flanged joint   G1 I I DN250flanged joint   G2 I I G1RA   G2 I G G2RA   Installation and connection material: 304 stainless steel G2RA   Installation Installation and connection material: 304 stainless steel   Installation YL   Installation and connection material: 304 stainless steel   Installation and connection material: stainl					L3						Measurement range: special customized L3= mm
Installation       F       I       I       normal close         Installation       E2       I       DN25 flanged joint         Installation       E5       I       DN50flanged joint         G1       I       G1RA       G1RA         G2       I       G2RA         Installation and connection material: 304 stainless steel       G2RA         Installation and connection material: 316L stainless steel       NL       NL       Installation and connection material: 316L stainless steel         Installation       KL       P       Installation and connection material: 316L stainless steel         Installation and connection material: Stainless steel       P       Installation and connection material: Stainless steel         Installation and connection material: Stainless steel       NL       NL       Installation and connection material: Stainless steel         Installation and connection material: Stainless steel       NL       NL       Installation and connection material: stainless steel         Installation       NL       NL       S       Installation and connection material: stainless steel         Installation       NL       NL       Installation and connection material: stainless steel         Installation       NL       NL       Float material: NBR (\$31)         Installation </th <th></th> <th></th> <th></th> <th></th> <th></th> <th>Ν</th> <th></th> <th></th> <th></th> <th></th> <th>normally open</th>						Ν					normally open
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $						F					normal close
$ \begin{array}{ c c c c c c } \hline F5 & I & I & I & I & I \\ \hline G1 & G2 & G & G1RA \\ \hline G2 & G2RA \\ \hline G2 & X & G2RA \\ \hline G2 & X & I & Installation and connection material: 304 stainless steel \\ \hline G2 & X & I & Installation and connection material: 316L stainless steel \\ \hline G1 & X & I & Installation and connection material: 316L stainless steel \\ \hline G1 & V & V & I & Installation and connection material: 316L stainless steel \\ \hline G1 & V & I & Installation and connection material: 316L stainless steel \\ \hline G1 & V & I & Installation and connection material: 9P polypropylene \\ \hline G1 & V & I & Installation and connection material: stainless steel \\ \hline G1 & V & I & Installation and connection material: stainless steel \\ \hline G1 & V & I & Installation and connection material: stainless steel \\ \hline G1 & V & I & Installation and connection material: stainless steel \\ \hline G1 & V & I & Installation and connection material: stainless steel \\ \hline G1 & V & I & Installation and connection material: stainless steel \\ \hline G1 & V & I & Installation and connection material: stainless steel \\ \hline G1 & V & I & Installation and connection material: stainless steel \\ \hline G1 & V & I & Installation and connection material: stainless steel \\ \hline G1 & V & I & Installation and connection material: stainless steel ($43) \\ \hline G1 & V & I & I & Installation I & I \\ \hline G1 & V & I & I & Installation & Install$											DN25 flanged joint
G1       G1       G1RA         G2       G2       G2RA         G2       X       Installation and connection material: 304 stainless steel         M       XL       Installation and connection material: 316L stainless steel         ML       XL       Installation connection material: 316L stainless steel         ML       P       Installation connection material: PP polypropylene         Installation and connection material: PP polypropylene       Installation and connection material: stainless steel         ML       KC       Installation and connection material: stainless steel         ML       KL       KL       Installation and connection material: stainless steel         ML       KC       KI       Installation and connection material: stainless steel         ML       KL       KI       Installation and connection material: stainless steel         ML       KL       KI       Installation and connection material: stainless steel         ML       K	Installation										DN50flanged joint
G2       G2       G2       G2RA         X       X       Installation and connection material: 304 stainless steel         XL       XL       Installation and connection material: 316L stainless steel         P       P       Installation connection material: PP polypropylene         Installation and connection material: PP polypropylene       Installation and connection material: stainless steel         XC       R       Installation and connection material: stainless steel         Inexternal: NBR (\$31)       X1       Float material: stainless steel (\$28)         X2       Float material: stainless steel (\$45) > G1 "thread       F         Float material: anti-corrosion       Float material: anti-corrosion       Thread         Float material: anti-corrosion       F       Float material: anti-corrosion							G1				G1RA
X       X       Installation and connection material: 304 stainless steel         XL       XL       Installation and connection material: 316L stainless steel         P       P       Installation connection material: PP polypropylene         Installation and connection material: stainless steel       Installation and connection material: stainless steel         XC       XC       Installation and connection material: stainless steel         Inet eterafluorine flange       Installation and connection material: stainless steel         XC       XI       Float material: NBR (\$ 31)         X1       X1       Float material: stainless steel (\$ 28)         X2       Float material: stainless steel (\$ 45) > G1 "thread         F       Float material: anti-corrosion         Installation and connection       Installation and connection material: anti-corrosion							G2				G2RA
XL       XL       Installation and connection material: 316L stainless steel         P       P       Installation connection material: PP polypropylene         Installation and connection material: Stainless steel       XC       Installation and connection material: stainless steel         Installation and connection material: Stainless steel       XC       Installation and connection material: stainless steel         Installation and connection material: Stainless steel       Installation and connection material: stainless steel         Installation and connection material: Stainless steel       Installation and connection material: stainless steel         Installation and connection material: Stainless steel       Installation and connection material: stainless steel         Installation and connection material: Stainless steel       Installation and connection material: Stainless steel         Installation and connection material: Stainless steel       Installation and connection material: Stainless steel         Installation and connection material: Stainless steel       Installation and connection material: Stainless steel         Installation and connection material: Stainless steel       Installation and connection material: Stainless steel         Installation and connection installation       Installation and connection material: Stainless steel         Installation and connection installation       Installation and connection installation         Installation and connection insterial								х			Installation and connection material: 304 stainless steel
P       Installation connection material: PP polypropylene         XC       Installation and connection material: stainless steel lined tetrafluorine flange         Image: Stain Polypropylene       S         S       B       Float material: NBR (\$ 31)         Image: Stain Polypropylene       S         Image: Stain Polypropylene       S <td colspan="6"></td> <td></td> <td>XL</td> <td></td> <td></td> <td>Installation and connection material: 316L stainless steel</td>								XL			Installation and connection material: 316L stainless steel
XC       Installation and connection material: stainless steel lined tetrafluorine flange         Installation and connection material: stainless steel lined tetrafluorine flange         B       Float material: NBR (\$ 31)         X1       Float material: stainless steel (\$ 28)         X2       Float material: stainless steel (\$ 28)         X2       Float material: stainless steel (\$ 45) > G1 "thread         F       Float material: anti-corrosion         Installation and connection material: anti-corrosion       1         Installation and connection material: anti-corrosion       2								Р			Installation connection material: PP polypropylene
B     Float material: NBR (\$31)       X1     Float material: stainless steel (\$28)       X2     Float material: stainless steel (\$45) > G1 "thread       F     Float material: anti-corrosion       F     Float material: anti-corrosion       F     Float material: stainless steel (\$45) > G1 "thread       F     Float material: anti-corrosion       F     Float material: anti-corrosion       F     Float material: anti-corrosion       F     Float material: anti-corrosion								хс			Installation and connection material: stainless steel lined tetrafluorine flange
X1       Float material: stainless steel (\$28)         X2       Float material: stainless steel (\$45) > G1 "thread         F       Float material: anti-corrosion         Image: Stainless steel (\$45) > G1 "thread       Image: Stainless steel (\$45) > G1 "thread         Image: Stainless steel (\$45) > G1 "thread       Image: Stainless steel (\$45) > G1 "thread         Image: Stainless steel (\$45) > G1 "thread       Image: Stainless steel (\$45) > G1 "thread         Image: Stainless steel (\$45) > G1 "thread       Image: Stainless steel (\$45) > G1 "thread         Image: Stainless steel (\$45) > G1 "thread       Image: Stainless steel (\$45) > G1 "thread         Image: Stainless steel (\$45) > G1 "thread       Image: Stainless steel (\$45) > G1 "thread         Image: Stainless steel (\$45) > G1 "thread       Image: Stainless steel (\$45) > G1 "thread         Image: Stainless steel (\$45) > G1 "thread       Image: Stainless steel (\$45) > G1 "thread         Image: Stainless steel (\$45) > G1 "thread       Image: Stainless steel (\$45) > G1 "thread         Image: Stainless steel (\$45) > G1 "thread       Image: Stainless steel (\$45) > G1 "thread         Image: Stainless steel (\$45) > G1 "thread       Image: Stainless steel (\$45) > G1 "thread         Image: Stainless steel (\$45) > G1 "thread       Image: Stainless steel (\$45) > G1 "thread         Image: Stainless steel (\$45) > G1 "thread       Image: Stainless steel (\$45) > G1 "thread         Image: Stai									В		Float material: NBR ( $\phi$ 31)
X2     Float material: stainless steel (Φ45) > G1 "thread       F     Float material: anti-corrosion       I     general sets       2     Explosion-proof device									X1		Float material: stainless steel ( $\phi$ 28)
F     Float material: anti-corrosion       Image: Second se									X2		Float material: stainless steel ( $\Phi$ 45) > G1 "thread
1 general sets 2 Explosion-proof device									F		Float material: anti-corrosion
2 Explosion-proof device										1	general sets
										2	Explosion-proof device

\* The selection table is only available for parameter selection, and the corresponding code is delivered.