HORIZONTAL MAGNETIC LEVEL SWITCH
LR SERIES

The LR Series of float-operated level switch. Suitable for control the liquid level with horizontal mounting. The float extension arm moves a magnet which actuated reed switch offer an open or closed contact upon request by user.

Approvals:

TD0400TJ
工電(2015)第00196號
工電(2015)第00197號

Switches with Intertek Test Report, refer to UL508 Standard.

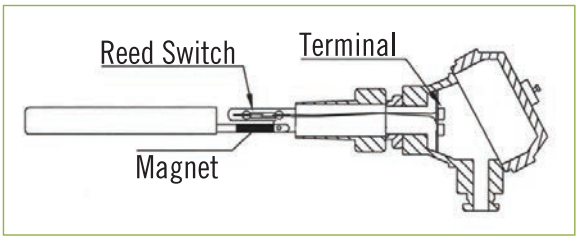

LR-201


LR-201W


LR-201X

Technical Data

General Purpose Type
Weather Proof Type– IP68
Explosion Proof Type
Chemical Duty
Sp. Gr.: Minimum 0.6
Screwed Mounting
Connection: Male Thread ½" to 4" NPT or BSP available; Flange Type is on request
Max. Pressure: 10 kg/cm²
Max. Temperature: -10°C~120°C
Float Material: SS316/SS316L
Wetted Parts Material: SS316/SS316L
Reed Switch: One switch and Two switch available (Two switch is only for the size of ¾" and 1")



Reed Switch Type

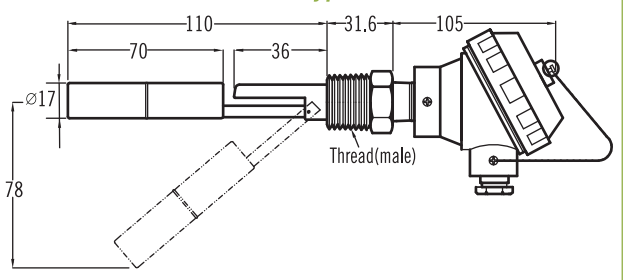
Contact Form	A1 (SPST)	A2 (SPST)	C (SPDT)
Switching Capacity Max.	40 W/VA	10 W/VA	20 W/VA
Switching Voltage Max.	230V AC/DC	100VDC,250VAC	150V AC/DC
Switching Current Max.	2A	1A	1A
Carrying Current Max.	3A	1.5A	2A

*Special rate available on request.

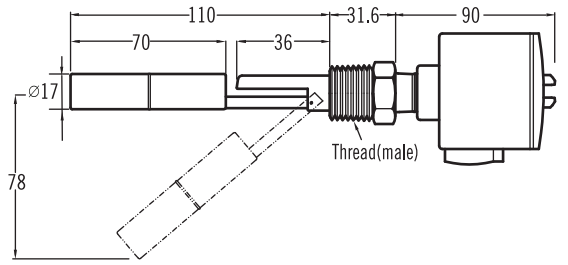
Dimension-mm

Standard Type

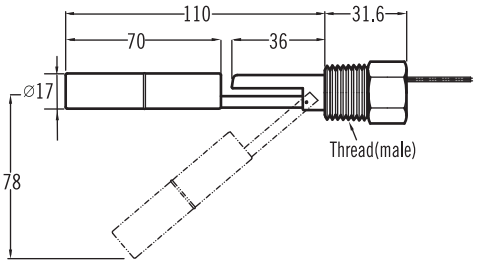
LR-201W Type–IP68



LR-201X Type– Explosion Proof

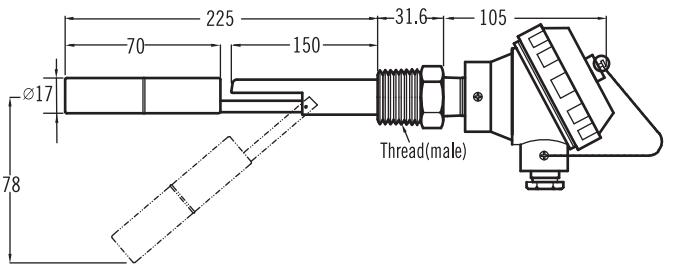


LR-201 Type– General Purpose

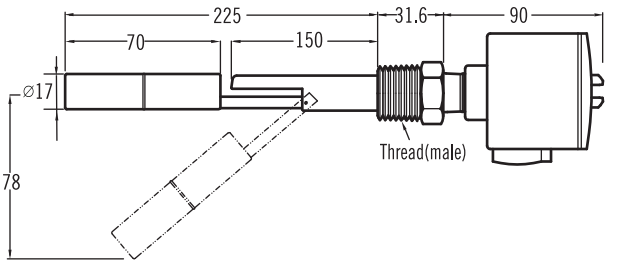


Extension Arm Type

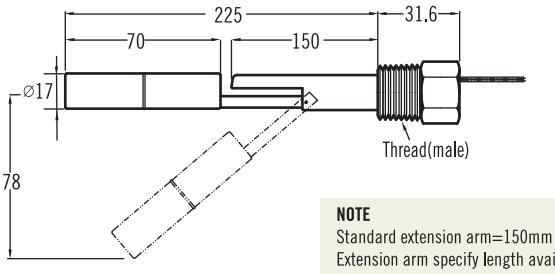
LR-201W Type–IP68



LR-201X Type– Explosion Proof



LR-201 Type– General Purpose



NOTE
Standard extension arm=150mm
Extension arm specify length available.

Head Type Technical Data for LR-201X (Explosion Proof Type)



XDS TYPE



XDA TYPE



S1 TYPE

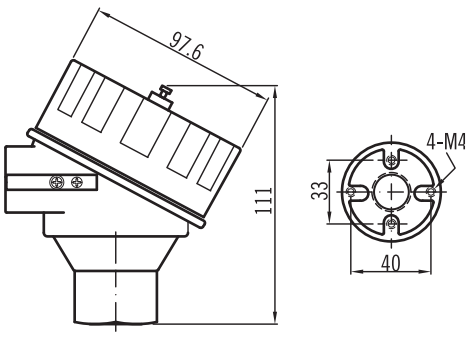


ES & EA TYPE

XDS / XDA Type

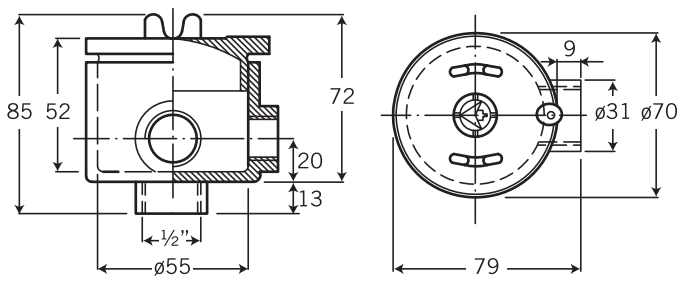
Material: XDS-SS316; XDA-Aluminum alloy
Weight: XDS-1278 g; XDA-460 g
Protection tube connection:
½"PF, ¾"PF, ½"NPT, ¾"NPT
½"BSP, ¾"BSP, G½", G¾"
M20x1.5, M24x1.5, M25x1.5
Extension wire connection:
M20x1.5, M25x1.5, ½"NPT, ¾"NPT
ATEX Approvals: II 2G D
Ex db IIC Gb
Ex tb IIIC Db
FM Approvals: XP/I/1/ABCD/T6; DIP/II,III/1/EFG/T6;
Type 4X

Explosionproof for Class I, Division 1, Groups A,B,C and D; and dust-ignitionproof for Class II, III Division 1, Groups E,F and G, hazardous (classified) locations; indoor / outdoor (NEMA Type 4X).



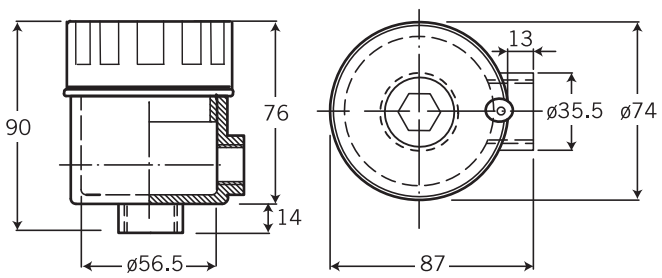
S1 Type

Protection: Explosion proof,
EEx d IIC-T6, II 2 GD; IP66
Material: Aluminum alloy
Terminal Block: 4 x 4 mm²
(on request)
Weight Gr.: 350g



ES & EA Type

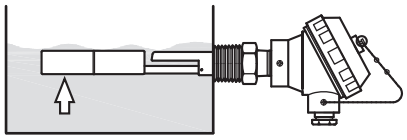
Protection: Explosion Proof Type
Material: ES: SS316/SS316L /
EA: Aluminum Alloy
Extension wire connection:
½", ¾" (PF, NPT, BSP)
Weight: 1054 g



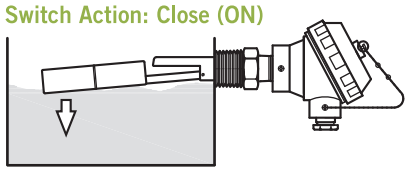
* **SPDT** contact is available for (A)(B)(C)(D).
* **SPST** contact is only available for (A) or (C).
Under SPST contact, please specify the action mode when place an order!

Float Level Switch Action Mode

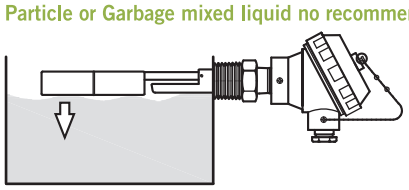
(A) Switch Action: Close (ON)



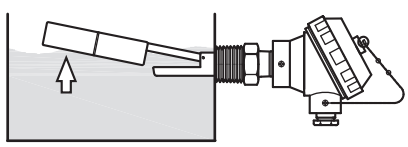
(B) Switch Action: Close (ON)



(C) Switch Action: Close (ON)
Particle or Garbage mixed liquid no recommend



(D) Switch Action: Close (ON)
Particle or Garbage mixed liquid no recommend



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Ordering Information

LR	Code	Type
	S	Standard Type
	E	Extension Arm Type

Code	Model
201W	Weather Proof, IP68
201X	Explosion Proof
201	General Purpose

Code	Head Housing Type & Material (*only for 201X selection*)
S1	Aluminum Alloy
ES	SS316/SS316L
EA	Aluminum Alloy
XDS	SS316
XDA	Aluminum Alloy
O	For Weather proof type & General purpose type

Code	Contact Form
1	A1 type (SPST, 230VAC/DC)
2	A2 type (SPST, 100VDC, 250VAC)
3	C type (SPDT, 150VAC/DC)

Code	Float Material
S	SS316/SS316L

Code	Connection Size
	(1) ½"NPT(M) **(2)** ¾"NPT(M) **(3)** 1"NPT(M) **(4)** ½"BSP(M) **(5)** ¾"BSP(M) **(6)** 1"BSP(M)
	(7) 1¼"NPT(M) **(8)** 1½"NPT(M) **(9)** 2"NPT(M) **(10)** 1¼"BSP(M) **(11)** 1½"BSP(M) **(12)** 2"BSP(M)
	(13) 2½"NPT(M) **(14)** 3"NPT(M) **(15)** 4"NPT(M) **(16)** 2½"BSP(M) **(17)** 3"BSP(M) **(18)** 4"BSP(M)
	(2F) ¼" Flange **(4F)** ½" Flange **(6F)** ¾" Flange **(10F)** 1" Flange **(12F)** 1½" Flange
	(14F) 1¼" Flange **(20F)** 2" Flange **(22F)** 2½" Flange **(30F)** 3" Flange **(40F)** 4" Flange

Code	Conduit Size
	(1) ½"NPT(F) **(2)** ¾"NPT(F) **(3)** ½"BSP(F) **(4)** ¾"BSP(F) **(5)** option

Code	Reed Switch
1	One Switch
2	Two Switches (for size ¾" or 1" only)

Code	Explosion Proof Type / Head Housing Type
N	For Weather Proof Type, LR201 and LR201W
A	***Certificate on Housing Only / S1:*** EEx d IIC-T6, II 2 GD
B	***Taiwan Explosion Proof Certification / ES & EA:*** Ex d IIB + H_2 T6 Gb
S	***Certificate on Housing Only / XDS & XDA:*** II 2G D Ex db IIC Gb Ex tb IIIC Db

Code	Connection Rating		
0	Thread Connection		
5	JIS 5K	15	ANSI 150#
10	JIS 10K	30	ANSI 300#
20	JIS 20K	60	ANSI 600#
		90	ANSI 900#
		150	ANSI 1500#
		250	ANSI 2500#

LR											

Complete Ordering Code

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