

HORIZONTAL MAGNETIC LEVEL SWITCH

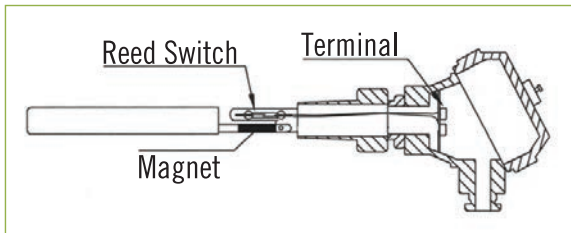
LR SERIES

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.

Technical Data

- General Purpose Type
- Weather Proof Type- IP68
- Explosion Proof Type
- Chemical Duty
- Sp. Gr.: Minimum 0.6
- Screwed Mounting
- Connection: Male Thread 1/2" 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
- Wetted Parts Material: SS316
- Reed Switch: One switch and Two switch available (Two switch is only for the size of 3/4" and 1")

Approvals:



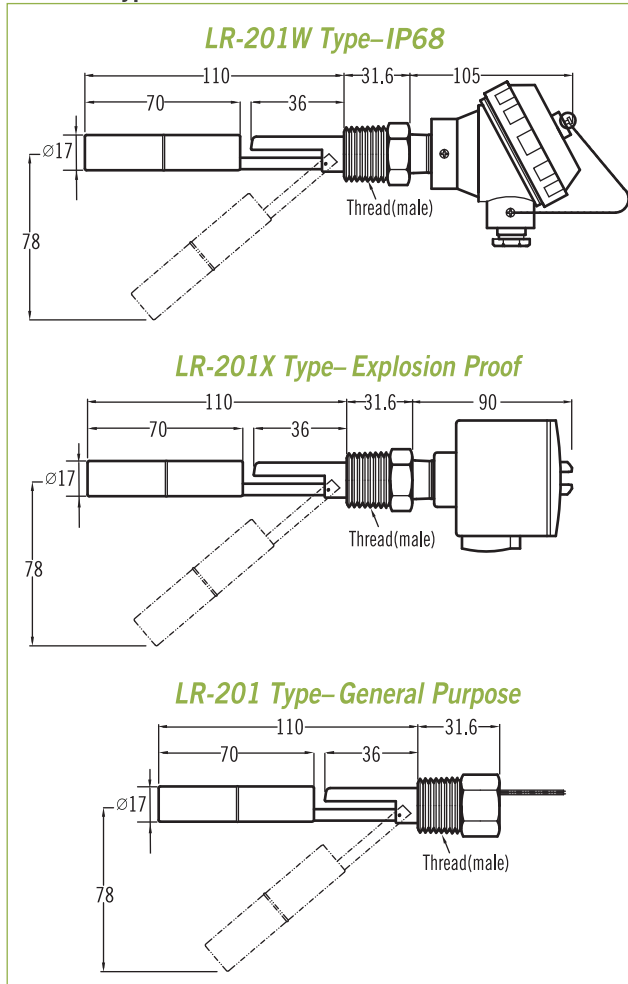
Reed Switch Type

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

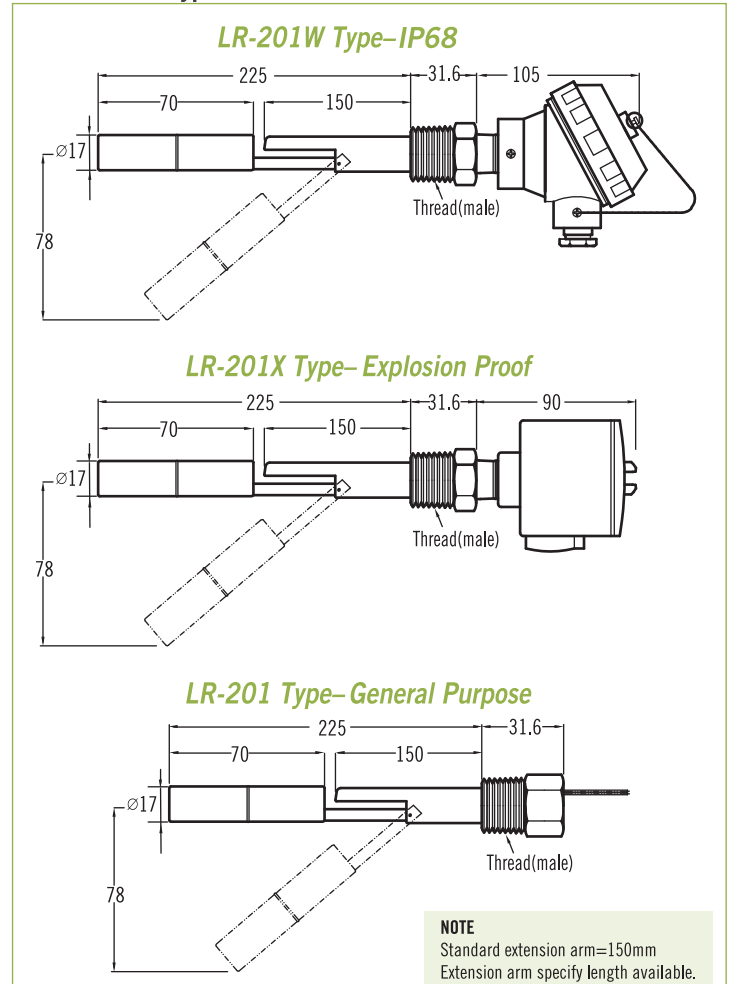
*Special rate available on request.

Dimension-mm

Standard Type



Extension Arm Type



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



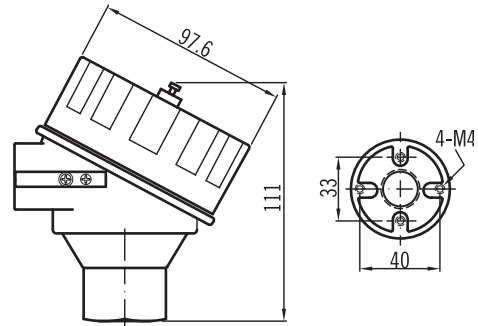
ES & EA TYPE

XDS / XDA Type

Material: XDS-SS316; XDA-Aluminum alloy
Weight: XDS-1278 g; XDA-460 g
Protection tube connection:
 1/2"PF, 3/4"PF, 1/2"NPT, 3/4"NPT
 1/2"BSP, 3/4"BSP, G1/2", G3/4"
 M20x1.5, M24x1.5, M25x1.5
Extension wire connection:
 M20x1.5, M25x1.5, 1/2"NPT, 3/4"NPT
ATEX Approvals: II 2G D
 Ex db IIC T6 Gb
 Ex tb IIIC T100°C Db

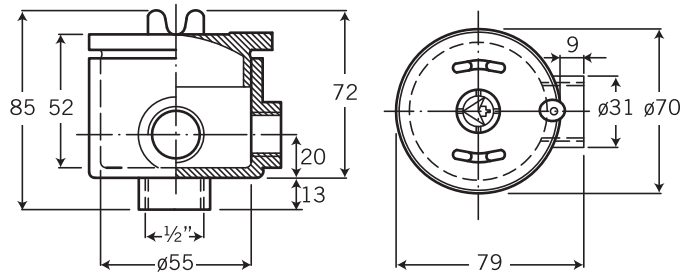
FM Approvals: XP/II/1/ABCD/T6; DIP/II,III/1/EFG/T6;
 Type 4X

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).



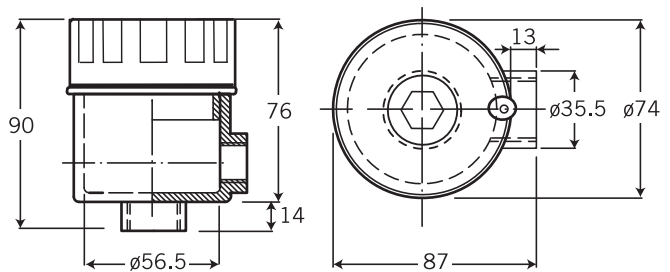
S1 Type

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



ES & EA Type

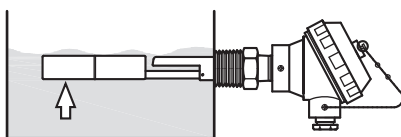
Protection: Explosion Proof Type
Material: ES: SS316 / EA: Aluminum Alloy
Extension wire connection:
 1/2", 3/4" (PF, NPT, BSP)
Weight: 1054 g



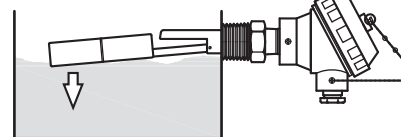
* SPDT contact is available for (A)(B)(C)(D).
 * SPST contact is only available for (A) or (C).
 Under SPST contact, please specify the action mode when place an order!

Float Level Switch Action Mode

(A) Switch Action: Close (ON)

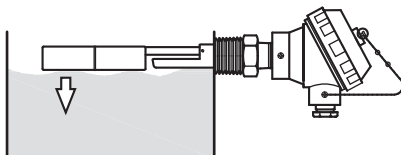


(B) Switch Action: Close (ON)



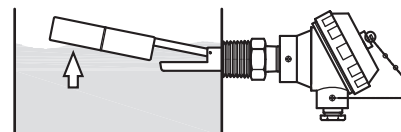
(C) Switch Action: Close (ON)

Particle or Garbage mixed liquid no recommend



(D) Switch Action: Close (ON)

Particle or Garbage mixed liquid no recommend



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
	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
	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)
		(19) Flange type (Please directly fill out the request of flange size & rating.)
	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 + H2 T6 Gb
	S	Certificate on Housing Only / XDS & XDA: II 2G D Ex db IIC T6; II 2G D Ex tb IIIC T100°C Db
LR		Complete Ordering Code