

HORIZONTAL MAGNETIC LEVEL SWITCH

AI.LR Series



AI.LR-201



AI.LR-201W



AI.LR-201X

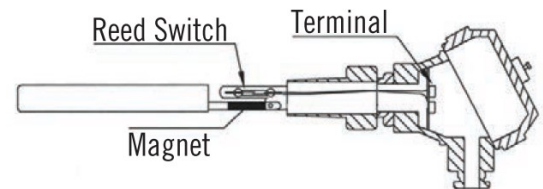


DESCRIPTION

The AI.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.

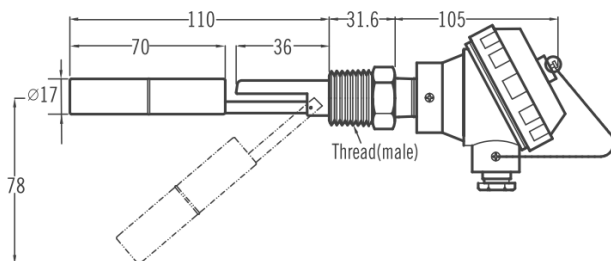
TECHNICAL DATA

- **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:** 10kg/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")

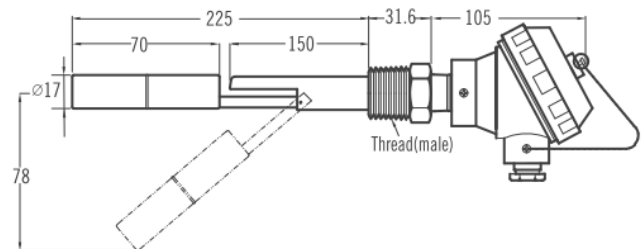


DIMENSIONS - mm

STANDARD TYPE

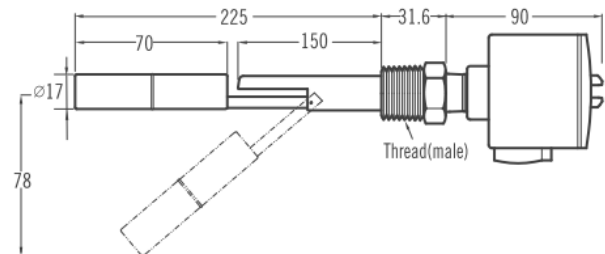
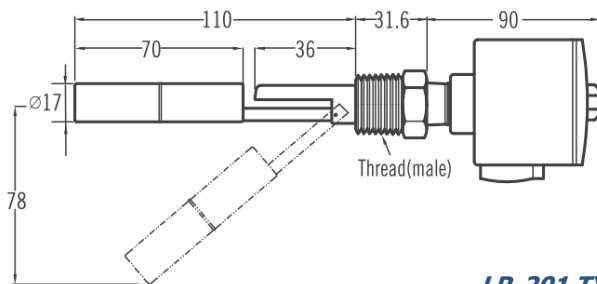


LR-201W TYPE-IP68

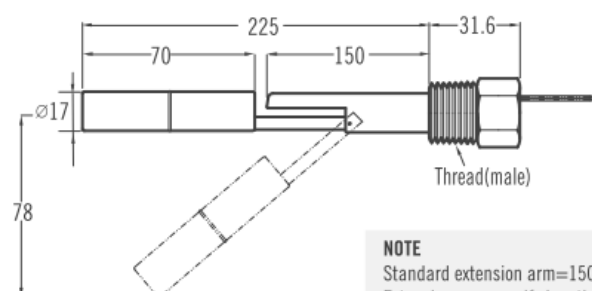
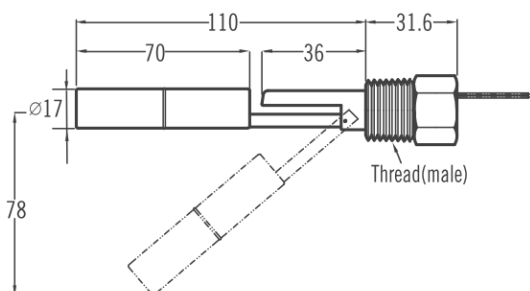


EXTENSION ARM TYPE

LR-201X TYPE-EXPLOSION PROOF



LR-201 TYPE-GENERAL PURPOSE



NOTE

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

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.

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

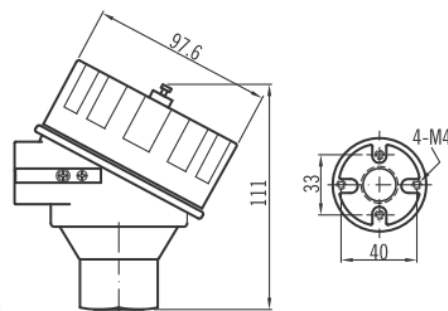
Ex db IIC T6 Gb

Ex tb IIIC T100°C Db

FM Approvals: XP/II/1/ABCD/T6; DIP/II,III/1/EFB/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,

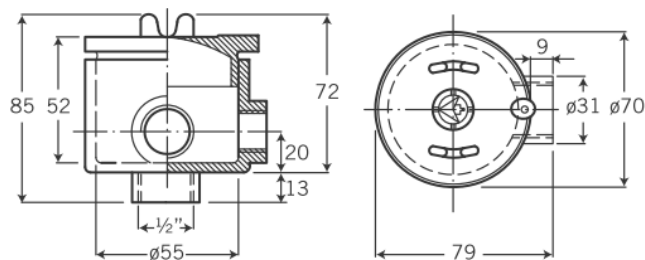
EEx d IIC-T6, II 2 GD; IP66

Material: Aluminum alloy

Terminal Block: 4 x 4 mm²

(on request)

Weight Gr.: 350g



ES & EA Type

Protection: Explosion Proof Type

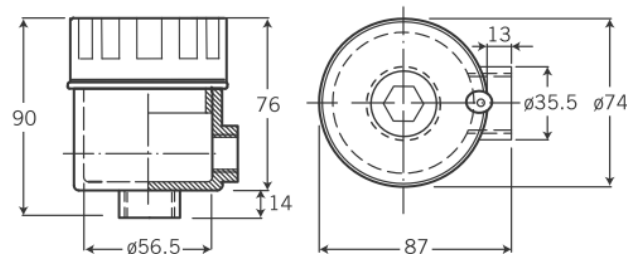
Material: ES: SS316 /

EA: Aluminum Alloy

Extension wire connection:

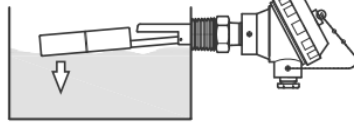
½", ¾" (PF, NPT, BSP)

Weight: 1054 g

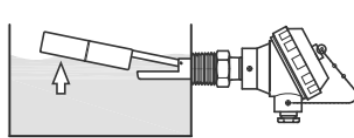


FLOAT LEVEL SWITCH ACTION MODE

(B) Switch Action: Close (ON)



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



ORDERING INFORMATION

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Company with
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System ISO 9001:2015
Cert n°38785/19/S