

INTEGRAL ELECTRODE LEVEL CONTROLLER

AI.ELT200/RL Series



DESCRIPTION

Proof Housing: Weather Proof Type

No Moving Parts - Easy Installation

The AI.ELT200/RL Series is applicable for level measurement in conductive liquids.

The conductivity of the insulated material can be varied if the probe is covered or not covered within the conductive product. There are two option of electrodes: one is used as a metal wall of the tank or probe "P5" be reference as "COMMON", and the other electrodes are inserted into the tank for different liquids level detection.

TECHNICAL DATA

Housing Material: ABS+20% Glass Fiber

Enclosure Housing Protection: IP65

Probe Insulation Material: CPVC or PP+20% Glass Fiber available - **Rod Probe:** SS316, Hastelloy C-276

Holder Material: SS316, Hastelloy C - **Working Temp. Limit:** -0 to +80°C

Working Pressure Limit: 10kg/cm2

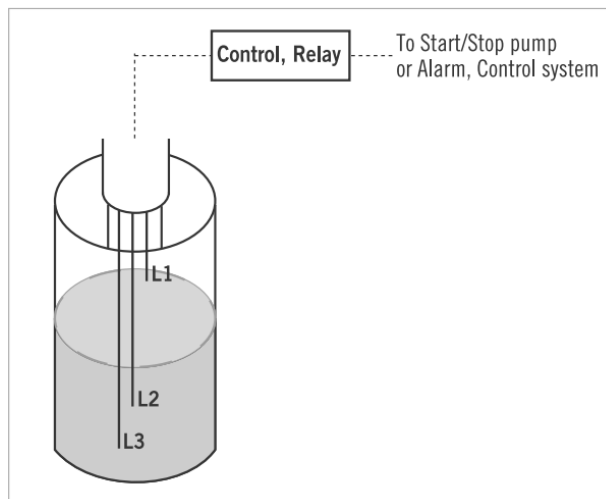
Process Thread Connection: male thread 2" BSP

Conduit Connection: Famale thread 3/4" BSP

Flange Connection: 2" - 3", or consult with the manufacturer

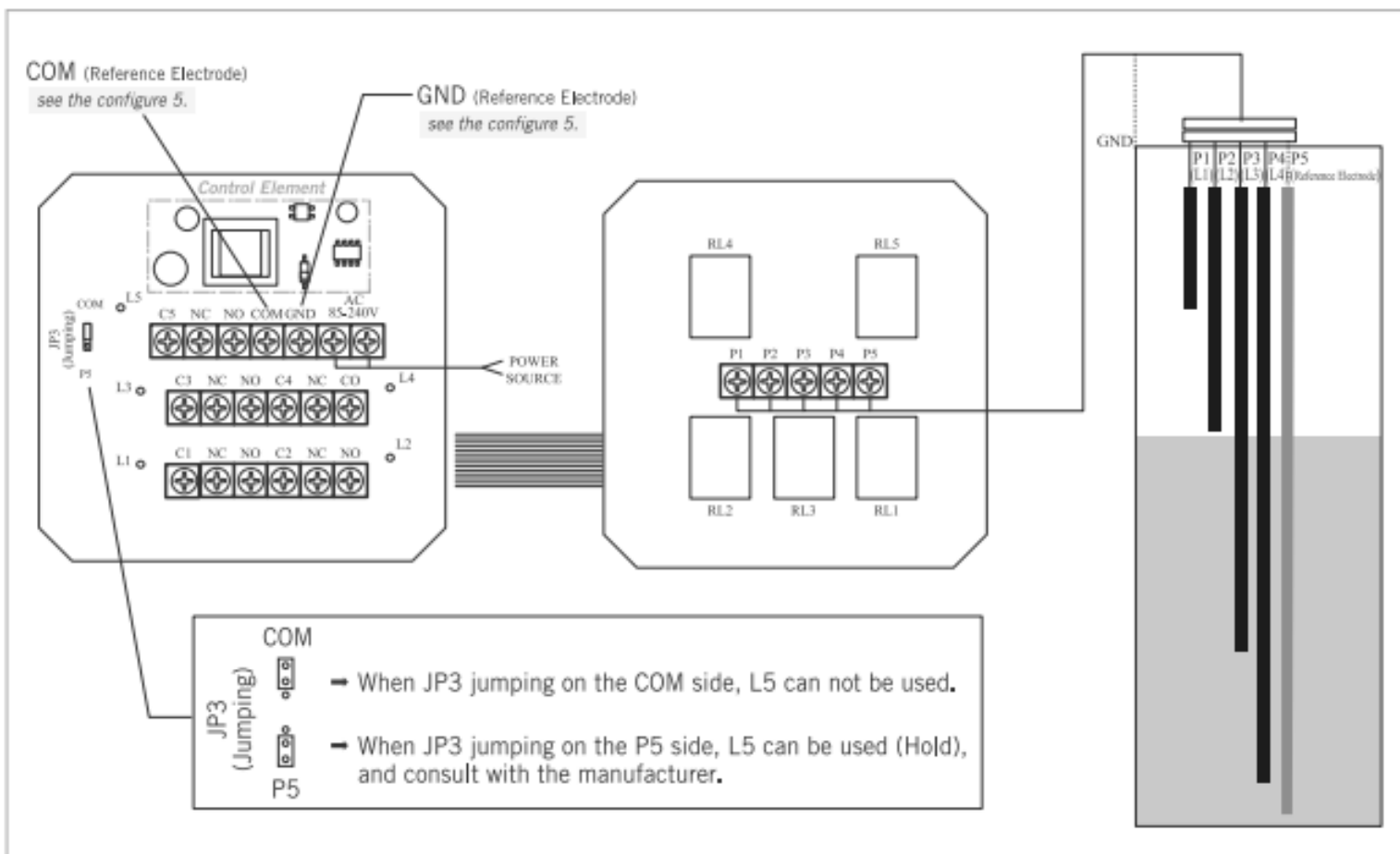
Isolated Resistance: >100M up to 4000M; DC500V on request

MEASUREMENT METHOD



LEVEL CONTROLLER

Contact Rating (SPDT)	250V AC, 6A
Power Supply	110 or 220V AC±10%, 50/60Hz
Ambient Temperature	-10°C ~ +60°C
Material	—
Dimensions (mm)	—



CONFIGURES AS FOLLOWS

1. One Level:

Connect the probes to 「P1 (L1) and P5 (L5)」.

The longer one is on "P5- Reference Electrode", another is "P1".

The shorting jumper will be jumping on the side of "COM" (JP3 or PCB No. 2074).

2. Two Levels:

Connect the probes to 「P1 (L1), P2 (L2) and P5 (L5)」.

The longest one is on "P5- Reference Electrode", the others are "P1" and "P2".

The shorting jumper will be jumping on the side of "COM" (JP3 of PCB No. 2074).

3. Three Levels:

Connect the probes to 「P1 (L1), P2 (L2), P3 (L3) and P5 (L5)」.

The longest one is on "P5- Reference Electrode", the others are "P1", "P2" and "P3".

The shorting jumper will be jumping on the side of "COM" (JP3 of PCB No. 2074).

4. Four Levels:

Connect the probes to 「P1 (L1), P2 (L2), P3 (L3), P4 (L4) and P5 (L5)」.

The longest one is on "P5- Reference Electrode", the others are "P1", "P2", "P3" and "P4".

The shorting jumper will be jumping on the side of "COM" (JP3 of PCB No. 2074).

5. Reference Electrode:

When JP3 jumping on the COM side, connect the probes to 「P1 (L1), P2 (L2), P3 (L3), P4 (L4) and P5 (reference)」.

When JP3 jumping on the P5 side, connect the probes to 「P1 (L1), P2 (L2), P3 (L3), P4 (L4), P5 (L5) and GND (reference)」.

NOTICE:

1. The connection of "P1, P2, P3, P4, P5" is the connector "CN1" on PCB No. 2073.
2. The shorting pin connection is "JP3" on PCB No. 2074.
3. The LED (L1, L2, L3, L4, L5) will be light on as per the liquid level reached to the each sensor probe.
4. The LED "L5" will be off on the above configure 1-5 as "JP3 jumping on the COM side".

DIMENSIONS

ELT-201 (Thread)	ELT-202 (Thread)
ELT-203 (Thread)	ELT-204 (Thread)
ELT-201 (Flange)	ELT-202 (Flange)
ELT-203 (Flange)	ELT-204 (Flange)

ORDERING INFORMATION

Model	ELT201	ELT202	ELT203	ELT204
	Code	Housing Material		
	1	ABS+20% Glass Fiber		
	Code	Rod Probe Size		
		(1) ø6mm (O) option (N) Without probe (But, including Insulation & Holder)		
	Code	Rod Probe Material		
		(S) SS316 (Hc) Hastelloy C-276 (O) Option		
	Code	Holder Material		
		(S) SS316 (Hc) Hastelloy C-276 (O) Option		
	Code	Probe Insulation Material		
		(1) CPVC (2) PP+20% Glass Fiber		
	Code	Conduit Connection Size		
	1	¾" BSP(F)		
	Code	Process Connection Size		
	T	Thread (1) 2" BSP(M)		
	F	Flange (3) 2" (4) 2½" (5) 3" (6) option		
	Code	Flange Rating		
	N	without flange (thread type)		
	10	JIS 10K		
	15	ANSI 150#		
	O	Other: _____		
	Code	Flange Material		
	N	without flange (thread type)		
	1	SS304		
	2	SS316		
	3	PVC		
	O	Other: _____		
	Code	Circuit Board Power Supply		
	A	110/220 VAC		
	B	24 VDC		
	Code	Probe Insertion Length		
		Please fill in the requested length as follows: L1= _____ mm L2= _____ mm L3= _____ mm L4= _____ mm L5 (Length of Reference Electrode) = _____ mm		



ASIT ITALIA S.R.L.

Sede operativa e Uffici

Via Quintino Sella, 6

10020 Riva presso Chieri (TO)

T (+39) 011 198 218 39 - F (+39) 011 198 371 06

INFO@ASIT-GE.COM

WWW.ASIT-GE.COM



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