

# ICT... Indicator Controller Transmitter

Technical Specification Document

Approvals & Certifications:

IP-65



## Features

1. Compact Size
2. 4-20mA Retransmission Output
3. 4/5 digit LED Display
4. Simple Configuration
5. Easy Installation

## Applications

Trumen field mounted level indicator model : ICT is used for indication and control the material level in the process tanks. ICT is suitable for analogue inputs & provides 4/5 Digit Seven Segment LED display for field indication. With 2/3 digital output along with 4-20mA isolated analogue output & inbuilt transmitter power supply.

Major applications in Chemical, Pharmaceutical, Edible Oil, Food, Water and Waste water, Paints, Cement ,Steel, Power industries to indicate and control the level of Process Tank, hoppers and silos.

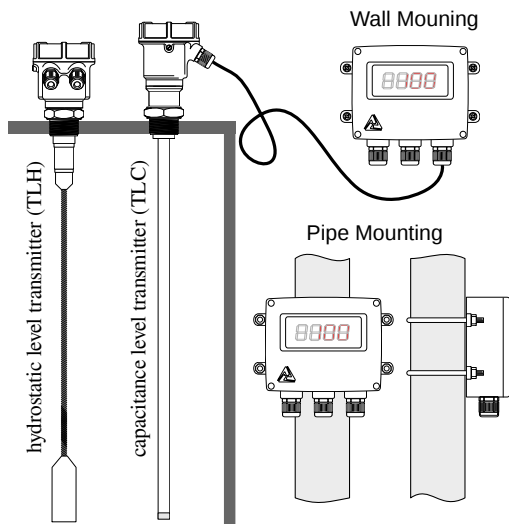
## Specifications

Power Supply	80-260VAC, 50/60Hz for AC and 18 to 32VDC for DC
Relay Output	2/3 SPDT
Relay Rating	SPDT 5 A each @ 24VDC and 5A each @ 220VAC
Output re-transmission Isolated power supply	24V +/- 4V Suitable for maximum 25mA load
Re-Transmission output	4-20mA, Error @ 21mA, galvanically isolated loop powered section for use with either integrated ICT Isolated Loop Supply or any external DC supply within range 16 to 50VDC
Transmitter power supply (for sensor)	24V +/- 4V current limited at 25 mA
Sensor interconnection cable type	Shielded 2 Core PVC cable with 1 to 1.5 mm <sup>2</sup> conductors cross section
Max sensor cable length	cable series resistance not to exceed 50 Ohm 1000 m for two-core 1 sq mm 2000 m for two core 1.5 sq mm conductor cross section.
Ambient Temperature	-10 C to 70 C
Enclosure material	Cast aluminum with polycarbonate see-thru cover.
Cable Entry	3 cable entries suitable for PG-11, 1/2" NPT and 1/2" BSP
Ingress Protection	IP65 for Aluminum HAN enclosure IP40 for sheet metal special types.

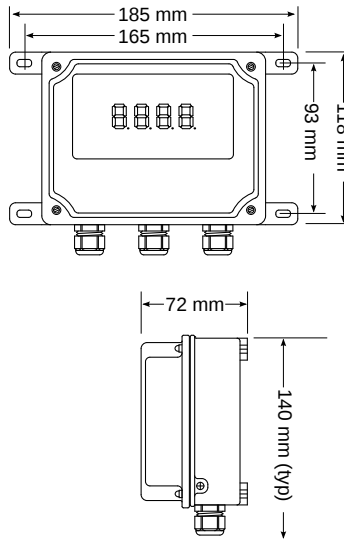


## Typical Mountings

ICT remote indicator-controller using two-core shielded pvc cable (1...1.5 mm<sup>2</sup> conductors)



## Dimensions



## Order Code

ICT	Indicator Controller Transmitter
Hxx	Enclosure: HAN: Wall / Pipe Mounted Cast Aluminium Non-Hazardous IP-65/66 HSP: Specially designed sheet metal enclosure (please ask for the drawing)
2R	Two SPDT Potential Free Relay Output
3R	Three SPDT Potential Free Relay Output
4..6R	Four to Six relays in special customized metal sheed enclosure

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