



# YUTECH INSTRUMENTS

Measure Transmit Control Repeat

INDICATORS, CONTROLLERS, COUNTERS, TIMERS & AUTOMANUAL STATIONS  
DOC NO: DDC-2019-1005-1

## Indicators, Controllers, Counters, Timers and Auto-Manual Stations:

- Universal Input Process Indicator
- Universal Input Process Indicator with Retransmission Output
- Universal Input Process Indicator with Relay Output
- Frequency Indicator and Converter
- Counter
- Jumbo Displays (7 – Segment LED Display) of various Sizes
- Single and Dual Channel Auto Manual Stations
- Time Proportionate PID Controllers
- Counters with Display
- Timers with Display



Indicators with different Input and Output Options, Jumbo Displays of Different Sizes, Auto Manual Stations, Time Proportionate Controllers find applications in many industries. Jumbo Displays can be used to Indicate Key Performance Parameters in the Industry in such a location that all concerned can view it easily. Timers and Counters have preset functions with Relay Outputs and prove to be a quick and inexpensive solution for many small applications. Time Proportionate PID Controller achieves a fair control using Forward and Reverse Inching action for Motor Speed Control, Motorized Valve Controls etc. Auto Manual Stations are a must for any critical control application and trouble shooting.



## Specifications:

	Process Indicator cum Transmitter / Controllers / AM Stations / Timers and Counters		Jumbo Display
Ambient Temperature	: -20°C to 55°C	Yes	Yes
Enclosure	: Panel Mounted ABS/SM 96x96x100 / 48x96x100 / 192x96x100	Yes	MS Powder coated
<b>Power Supply</b>			
Power Consumption	: For all Isolation Products is less than	4.2W	As per size
Power Supply Voltage	: 16 to 36 VDC. Recommended 24 VDC	Yes	NA
can be chosen as either AC Mains or DC	: 85 to 265 V AC 50 – 60 Hz	Yes	Yes
<b>Signal Isolation</b>	: Optional	Optional	NA
Isolation Barrier Voltage	: VDC	3500	NA
Isolation Type	: Isolation Technology used	Optical	NA
<b>Input and Output</b>			
Input Signal (Universal or Frequency or Pulse)	: DC Current: 4 to 20 mA DC Voltage: 0 – 2000 mV RTD 3W (Range 0 – 200 °C) Thermocouple K Type (Range 0 – 1200 °C) OR Frequency: 0 – 100 KHz Pulse for Counter application	Yes	4 to 20 mA or 0 – 2000 mV
Output Signal	: DC Current: 4 to 20 mA Potential Free Relay 2 Nos.	Yes Yes	Optional Optional
Maximum Load Permissible for Current Output	: Value at 24 VDC Power Supply.	650 Ohm	650 Ohm
Maximum Non-linearity	: Value with respect to Full Scale Range at maximum ambient temperature.	± 0.1%	± 0.1%
Output Calibration	: Span and Zero Calibration	Keyboard	Calibrator
Display	: 4 Digit LED	Size: ½"	1", 2.5", 4", 6", 8", 10" & 12"

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**Ordering Information**

Product Code	Product Description
<b>A-Series Isolating Indicators &amp; Re-transmitters cum Controllers</b>	
A-ISO-DC-U-C1-LD-PM48	: Isolating Process Indicator Display cum Transmitter – Universal Input and Current (4 – 20 mA) Output.
A-ISO-AC-U-C1-LD-PM48	: Isolating Process Indicator Display cum Transmitter – Universal Input and Current (4 – 20 mA) Output. 230VAC PS.
A-ISO-AC-U-R2-LD-PM48	: Isolating Process Indicator Display cum Controller – Universal Input and 2 Potential-Free Relay Outputs, 230VAC PS.
<b>A-Series Indicators &amp; Re-transmitters cum Controllers</b>	
A-DC-U-C1-LD-PM48	: Process Indicator Display cum Transmitter – Universal Input and Current (4 – 20 mA) Output.
A-AC-U-C1-LD-PM48	: Process Indicator Display cum Transmitter – Universal Input and Current (4 – 20 mA) Output. 230VAC PS.
A-AC-U-R2-LD-PM48	: Process Indicator Display cum Controller – Universal Input and 2 Potential-Free Relay Outputs, 230VAC PS.
<b>Jumbo Displays</b>	
A-AC-C1-R2-JD2.5-4D	: Jumbo Display 2.5", 4 Digit, Single Sided
A-AC-C1-R2-2JD2.5-4D	: Jumbo Display 2.5", 4 Digit, Double Sided
A-AC-C1-R2-JD04-4D	: Jumbo Display 4", 4 Digit, Single Sided
A-AC-C1-R2-2JD04-4D	: Jumbo Display 4", 4 Digit, Double Sided
A-AC-C1-R2-JD06-4D	: Jumbo Display 6", 4 Digit, Single Sided
A-AC-C1-R2-2JD06-4D	: Jumbo Display 6", 4 Digit, Double Sided
A-AC-C1-R2-JD08-4D	: Jumbo Display 8", 4 Digit, Single Sided
A-AC-C1-R2-2JD08-4D	: Jumbo Display 8", 4 Digit, Double Sided
A-AC-C1-R2-JD10-4D	: Jumbo Display 10", 4 Digit, Single Sided
A-AC-C1-R2-2JD10-4D	: Jumbo Display 10", 4 Digit, Double Sided
A-AC-C1-R2-JD12-4D	: Jumbo Display 12", 4 Digit, Single Sided
A-AC-C1-R2-2JD12-4D	: Jumbo Display 12", 4 Digit, Double Sided
<b>Controllers and Auto-Manual Stations</b>	
A-AC-C1-C1-LDAM-PM96	: Auto manual Station Single Channel
A-AC-C2-C2-LDAM-PM192	: Auto manual Station Dual Channel
PID-TP-1005	: Time Proportionate PID Controller

**Product Coding (PC) Information:**

Item Description	Item Code	Item Specification
Product Description	DDC	Digital Displays and Controllers
Power Supply	DC	16 to 36 VDC. Recommended 24 VDC
	AC	85 to 265 V AC 50 – 60 Hz
Input	U	Universal
	F	Frequency
	P	Pulse (1 – 15 VDC Please specify)
Output	C1	Single Channel 4-20mA Current (Optional)
	2R	Two Potential Free Relays
Display	JD2.5	Jumbo Display Digit Size 2.5"
	2JD2.5	Dual Side Jumbo Display Digit Size 2.5"
		Similarly 2.5 will be replaced by 4 or the relevant number as per display size up to 8", For any other sizes please send specific enquiry to <a href="mailto:sale@yutech.in">sale@yutech.in</a> .
Enclosure	PM48	Panel Mounted 48Hx96Wx110D
Decoding the Product Code		

