

Isolation Barriers



I/O Cards



Displays & Controllers



Process Instruments  
and Transmitters



### ISOLATION PRODUCTS:

#### DC Current Isolators:



Item Code	Input (4-20mA)	Galvanically Isolated Output (4-20mA)	Power Supply
A-ISO-DC-C1-C1-S	1 Channel	Repeat Input on 1 Channel	24VDC
A-ISO-AC-C1-C1-S	1 Channel	Repeat Input on 1 Channel	230VAC
A-ISO-DC-C1-C2-S	1 Channel	Repeat Input on 2 Channels	24VDC
A-ISO-AC-C1-C2-S	1 Channel	Repeat Input on 2 Channels	230VAC
A-ISO-DC-C1-C4-M	1 Channel	Repeat Input on 4 Channels	24VDC
A-ISO-DC-C2-C2-S	2 Independent Channels	2 Independent Channels	24VDC
A-ISO-DC-2W-C1-S	2-Wire Transmitter	Repeat Input on 1 Channel	24VDC + 24VDC Aux PS for 2 Wire Loop.

#### Isolating Converters:



Item Code	Input	Galvanically Isolated Output	Power Supply
A-ISO-DC-V1-C1-S	0-5VDC / 0-10VDC	4-20mA	24VDC
A-ISO-DC-C1-V1-S	4-20mA	0-5VDC / 0-10VDC	24VDC
A-ISO-DC-AV-C1-S	0-30VAC	4-20mA	24VDC
A-ISO-DC-CT-C1-S	0-500mVAC (0.1 Ohm Resistance across CT)	4-20mA	24VDC
A-ISO-DC-F-C1-S	0-10KHz @ 0-10VPP	4-20mA	24VDC
A-ISO-DC-R1-C1-S	Resistance 0-1 K-Ohms	4-20mA	24VDC + 5VDC Aux PS to Power the Resistance

### TEMPERATURE PRODUCTS:

#### Isolating Temperature Transmitters:



Item Code	Input	Galvanically Isolated Output	Power Supply
A-ISO-DC-RT-C1-S	RTD PT-100 3W	4-20mA (0-200 °C)	24VDC
A-ISO-DC-RT-C2-M	RTD PT-100 3W	4-20mA (0-200 °C) Repeat on 2 Channels	24VDC
A-ISO-DC-RT1-C1-S	RTD PT-1000	4-20mA	24VDC
A-ISO-DC-TJ-C1-S	TC J-TYPE	4-20mA (0-750 °C)	24VDC
A-ISO-DC-TK-C1-S	TC K-TYPE	4-20mA (0-1200 °C)	24VDC
A-ISO-DC-TE-C1-S	TC E-TYPE	4-20mA (0-900 °C)	24VDC
A-ISO-DC-TT-C1-S	TC T-TYPE	4-20mA (0-350 °C)	24VDC
A-ISO-DC-TN-C1-S	TC N-TYPE	4-20mA (0-1300 °C)	24VDC
A-ISO-DC-TB-C1-S	TC B-TYPE	4-20mA (900-1800 °C)	24VDC
A-ISO-DC-TS-C1-S	TC S-TYPE	4-20mA (0-1700 °C)	24VDC
A-ISO-DC-TR-C1-S	TC R-TYPE	4-20mA (0-1700 °C)	24VDC

#### Non Isolating Temperature Transmitters:



Item Code	Input	Output	Power Supply
A-2W-RT-C1-S	RTD PT-100 3W	4-20mA	24VDC
A-2W-RT-C1-HM	RTD PT-100 3W	4-20mA	24VDC
A-2W-TC-C1-S	TC R/S/J/K/B	4-20mA	24VDC

### I/O PRODUCTS :

#### Modbus I/O Cards



Item Code	Input	Output	Power Supply
MBC-101-AI-8	Universal 8 Channels	Modbus RTU	24VDC
MBC-101-AO-4	Modbus RTU	4-20mA 4 Channel	24VDC
MBC-101-DI-8	0 or 24DVC Digital Input 8 Channel	Modbus RTU	24VDC
MBC-101-DO-4	Modbus RTU	0 or 24DVC Digital Output 4 Channel	24VDC

#### Ethernet I/O Cards

Item Code	Input	Output	Power Supply
ETH-105-AI-8	Universal 8 Channels	Modbus TCP/IP	24VDC
ETH-C-105-AO-4	Modbus TCP/IP	4-20mA 4 Channel	24VDC
ETH-105-DI-8	0 or 24DVC Digital Input 8 Channel	Modbus TCP/IP	24VDC
ETH-105-DO-4	Modbus TCP/IP	0 or 24DVC Digital Output	24VDC



## DISPLAYS AND CONTROLLERS:

### Indicators and Controllers:



Item Code	Input	Retransmission Output (4-20mA)	Potential-Free Relay Output	Display Size (Inch)
A-AC-U-C1-LD05-PM48	Universal*	Yes	No	1/2"
A-AC-U-R2-LD05-PM48	Universal	No	2 Relays	1/2"
A-AC-C1-SQC1-LD05-PM48	4-20mA on 2-Wire With 24VDC Aux Power Supply	Square Root Extracted	No	1/2"
A-AC-U-C1-LD10-PM144	Universal	Yes	No	1"
A-AC-U-R2-LD10-PM144	Universal	No	2 Relays	1"
A-AC-U-C1-LD20-PM192	Universal	Yes	No	1.8"
A-AC-U-R2-LD20-PM192	Universal	No	2 Relays	1.8"
A-AC-C2-PIDC1-TP-2LD05-PM96	Universal	Yes PID	2 Relays (TP*)	1/2"
A-AC-U2-PIDC1-R2-2LD05-PM96	Universal 2 Ch	Yes PID	2 Relays	1/2"



### Auto - Manual Stations:



Item Code	Input	Retransmission Output (4-20mA)	Potential-Free Relay Output	Display Size (Inch)
A-AC-C1-AMC1-LD05-PM96	Universal	Yes	No	1/2"
A-AC-C2-AMC2-2LD05-PM192	Universal	No	No	1/2"

### Jumbo Displays:



Item Code	Input	Retransmission Output (4-20mA)	Potential-Free Relay Output	Display Size (Inch) 4 Digit
A-AC-U-R2-JD4-4D	Universal or Modbus RTU	No	2 Relays	4"
A-AC-U-R2-2JD4-4D	Universal or Modbus RTU	No	2 Relays	4" Double Sided
A-AC-U-R2-JD6-4D	Universal or Modbus RTU	No	2 Relays	6"
A-AC-U-R2-2JD6-4D	Universal or Modbus RTU	No	2 Relays	6" Double Sided
A-AC-U-R2-JD8-4D	Universal or Modbus RTU	No	2 Relays	8"
A-AC-U-R2-2JD8-4D	Universal or Modbus RTU	No	2 Relays	8" Double Sided
A-AC-U-R2-JD10-4D	Universal or Modbus RTU	No	2 Relays	10"
A-AC-U-R2-2JD10-4D	Universal or Modbus RTU	No	2 Relays	10" Double Sided

All above products have 230VAC (+/- 20%) Power Supply.

## SENSORS AND TRANSMITTERS:

### Furnace Flame Detector And Flame Sensor:



Item Code	Description	Output	Power Supply
ASD-FS	Flame Sensor	----	24VDC
ASD-FD-DC-FDS-R1-S	Flame Detector	Potential Free Relay	24VDC

Typically used in any type of Gas or Diesel Fired Furnace to detect Flame. Should always be ordered as a Set of Sensor and Detector.

### Draught / Draft Pressure Transmitter:



Item Code	Input	Output	Power Supply	Range
ASD-DT-DC-2WC1-M	6mm PU Tube Pressure Port	4-20mA on 2-Wire Transmitter	24VDC	0 - (+/-)1000mmWC, -500 to 500 mmWC
ASD-DT-DC-2WC1-FM	6mm PU Tube Pressure Port	4-20mA on 2-Wire Transmitter	24VDC	0 - (+/-)1000mmWC, -500 to 500 mmWC

Draft Pressure Transmitter can be used to measure Air / Safe Gas Pressures. Non Wetted Diaphragm Type. Available in Panel and Field Mounted Enclosures.

### RPM Transmitter:



Item Code	Input	Output	Power Supply	Range
ASD-RPMT-AC-C1-PM48	10 VAC <sub>pp</sub> From RPM Sensor	4-20mA	230VAC	0 - 10KHz
ASD-RPMS		Pulse 10 VAC <sub>pp</sub>	24VDC	0 - 10KHz



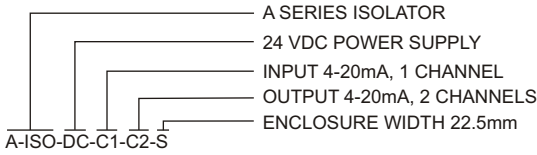
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## ISOLATION & INSTRUMENTATION

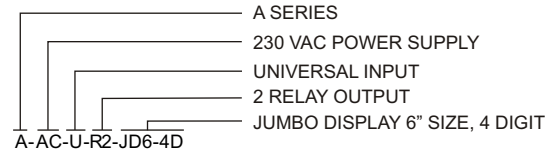
**Product Code:** You can easily decode the product code (PC) as given below:

Example: DC Current Isolator having Single Input and Output repeated over two Channels the PC is **A-ISO-AC-C1-C2-S** and PC for 6" Jumbo Display is **A-AC-U-R2-JD6-4D**.

### DC CURRENT ISOLATOR SINGLE INPUT DUAL OUTPUT



### JUMBO DISPLAY 6" SIZE



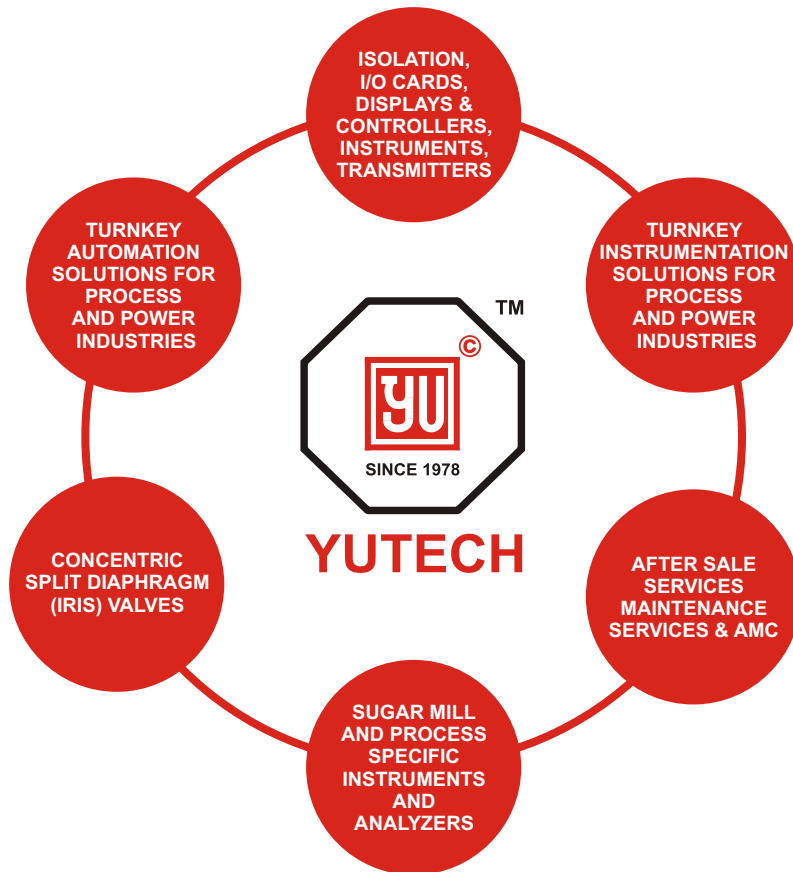
### Other Abbreviations:

S: Standard Din Rail mounted Enclosure 22.5mm wide

M: Medium Din Rail mounted Enclosure 45 mm wide

PM48: Panel Mounted Enclosure DIN 48x96, the number indicates Bezel size

**YUTECH** is in the Service of Process Industry for 40+ years and has an excellent Track Record of Manufacturing State of the Art Specialized Instrumentation and Isolation Products.



# YUTECH

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