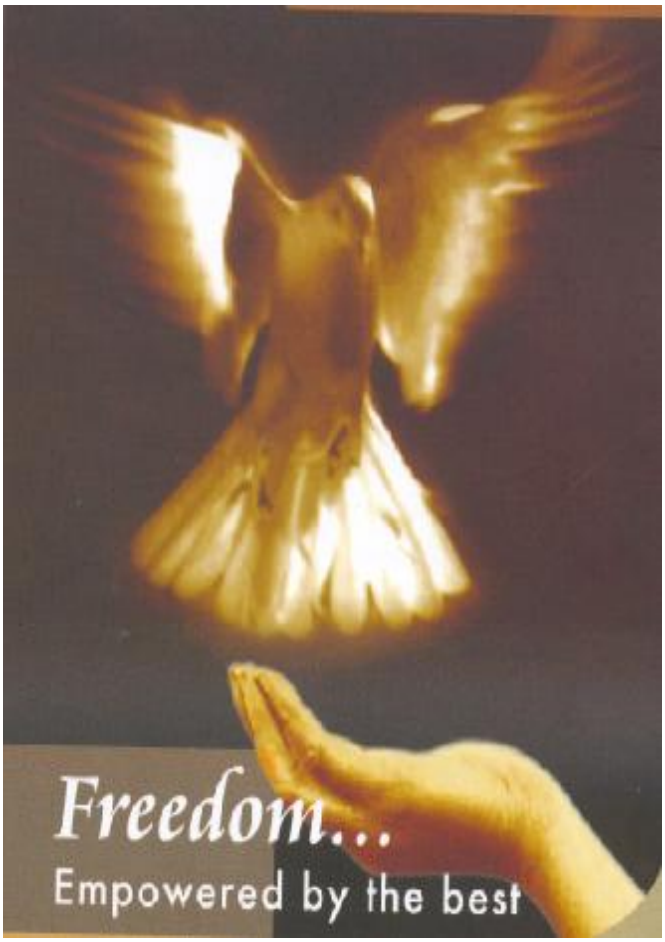
RISHABH

New Launch

- Fully Programmable
- Highly Accurate, V & I 0.2%, Power 0.25 %
- Ultra Fast Response Max 200 ms for V & I.
- Programmable 4 Analog and 2 Digital Outputs
- RS 485 Modbus Communication (Optional)
- Display with 7 segment LED (Optional)
- Digital Outputs are Potential free relay contacts.
- DIN Rail /Wall Mounting
- Neutral Current measurement
- Programmable Demand Measurements



RISH *Trans*

The Transducer series

Input

Nominal Frequency : 50-60 Hz

Nominal Input Voltage : 57.7 to 400 V (Phase to neutral) or 100 to 693 V (Phase to Phase)

Measuring Range 20…120% of the measuring Voltage

Overload 1.2 x U n Continuously

Burden < U xU /400k ohm

Nominal input Current 1 A / 5 A

Measuring Range 20…150% of the measuring Current

Current circuit Overload 9A Continuously

Burden Max 0.5 VA per Phase

Output

Analogue Outputs Electrically insulated

Standard Ranges Current 0…20 mA, -20…0…20 mA
4…20 mA , 0…10 mA,
0..5 mA , 0…1mA.

Standard Ranges Voltage 0…10 V, -10…0…10V
0…. 5 V

Programmable Relay Outputs :

Two potential free relay outputs are available and type is a changeover Switch .

Relay Outputs can be programmed for either Option 1 or Option 2.

Option 1; Pulsed Output

Option 2 : Limit switches .

Power supply

DC, AC Power pack DC or 50….60 Hz
24...60V or 85 ..230 V

Ac Power Pack 45…65 Hz,
100,110,230,400,500 or 693 V

RS 232 Programming connector

Interface RS 232
DSUB Socket 9 Pin

Digital Outputs According to DIN 43 864

MODBUS

Bus interface RS 485

Terminals Screw Terminals or Connection Pins
Connecting Cable : Screened twisted pair
Max distance Approx 1200m
Baud Rate 1200 …19200 bits /s (Programmable)
No bus station: 32 (including meter)

Accuracy :
According to : DIN IEC 688
Current /Voltage 0.2 %
Power 0.25%

Galvanic separation: Between inputs, analogue output and aux supply :3750 V -50 Hz –1 min.
Between analogue outputs, RS 485 and RS 232: 500V –50 Hz –1 Min, EN 61010-1

EMC According to EN 61000-6-3(EN 50081-1),EN 61000-6-4 (EN 50081-2), EN 61000-6-1(EN 50082-1),EN 61000-6-2 (EN 50082-2), EN 61000-6-5 .

Protection Housing : IP40 ,Terminals :IP20 to IEC 529 and EN 60529

Materials All Plastics parts are Self –extinguishing, non –dripping as per UL94 –V 0

Configuration software for programming the Transducer at site:
Using the Windows based software; it is possible to configure the Transducer on site Through RS 232 Interface and MODBUS (RS 485) interface, also it is possible to simulate the Outputs, reset the Energy counters And Slave pointers (Max Demand) through Software. Password protection Facility can be used via software to protect from unauthorized access to the configuration

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