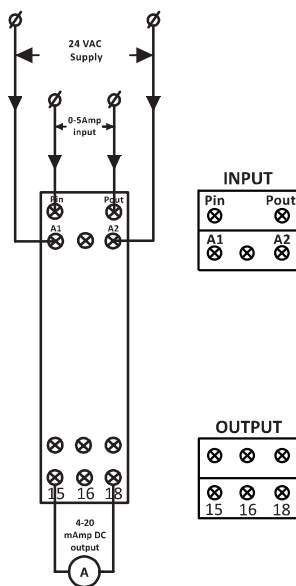
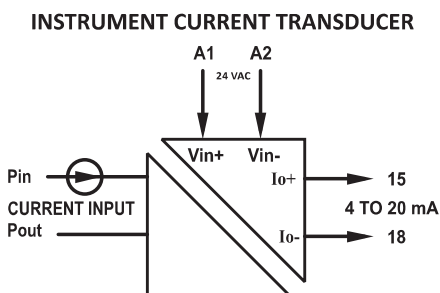




Connection Diagram



Functional Diagram



Application

'elmex' make instrument current transducer sense CT secondary current and provide linear 4-20 mA DC signal for PLC/SCADA application.

Salient Features

- 17.5 mm DIN Rail Housing.
- Inrush current protection.
- Green LED for supply indication.
- Galvanic Isolation between current input and output.

Technical Specification

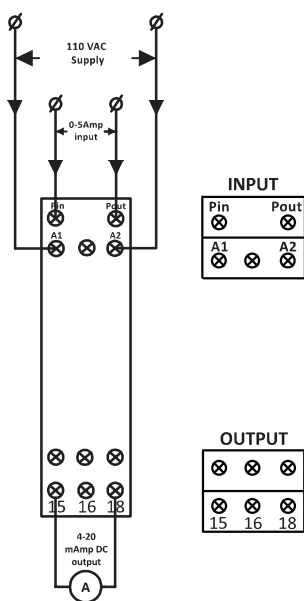
Supply Voltage	
Supply voltage (A1-A2)	24 V AC
Current input / Sensing current (Pin - Pout)	0-5 Amp
Frequency Range	50 / 60 Hz
Power Consumption	4 VA Maximum
Output Specifications	
Output between terminal No. 15 and 18	4 to 20 mA
Setting accuracy	± 2.5%
LED Indications	
Power ON / Healthy	3mm Green LED
Environmental Specifications	
Temperature	Operating: 0 to 50 °C (32 to 122 °F) Storage: -20 to 75 °C (-4 to 167 °F)
Humidity (Non-Condensing)	95% RH
Protection Level	IP40 for Casing IP20 for Terminals
Housing	
Material	Polyamide 6,6
Colour	Grey
Dimension (H x D x W)	90 X 56.4 X 17.5
Mounting	TS 35 DIN Rail

Transducer

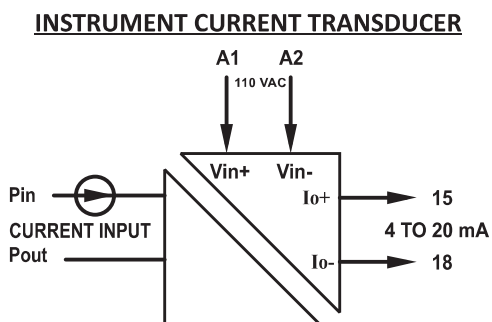
Instrument Current Transducer (ICT-110)



Connection Diagram



Functional Diagram



Application

'elmex' make instrument current transducer sense CT secondary current and provide linear 4-20 mA DC signal for PLC/SCADA application.

Salient Features

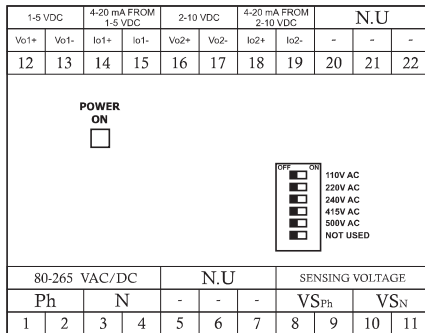
- 17.5 mm DIN Rail Housing.
- Inrush current protection.
- Green LED for supply indication.
- Galvanic Isolation between current input and output.

Technical Specification

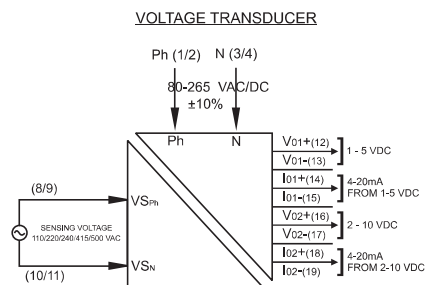
Supply Voltage	
Supply voltage (A1-A2)	110 V AC
Current input / Sensing current (Pin - Pout)	0-5 Amp
Frequency Range	50 / 60 Hz
Power Consumption	5.5 VA Maximum
Output Specifications	
Output between terminal No. 15 and 18	4 to 20 mA
Setting accuracy	± 2.5%
LED Indications	
Power ON / Healthy	3mm Green LED
Environmental Specifications	
Temperature	Operating: 0 to 50 °C (32 to 122 °F) Storage: -20 to 75 °C (-4 to 167 °F)
Humidity (Non-Condensing)	95% RH
Protection Level	IP40 for Casing IP20 for Terminals
Housing	
Material	Polyamide 6,6
Colour	Grey
Dimension (H x D x W)	90 X 56.4 X 17.5
Mounting	TS 35 DIN Rail



Connection Diagram



Functional Diagram



Application

'elmex' make instrument voltage transducer sense PT secondary voltage and provide linear 1-5VDC and 4-20 mA DC signal for PLC/SCADA application.

Salient Features

- 70mm wide DIN Rail / Panel Mount Housing.
- Inrush Current Protection.
- Galvanic Isolation between input voltage signal and output voltage & current signals.
- User Selectable Voltage Range.

Technical Specification

Input Specifications

Auxiliary Supply Voltage (Ph - N)	80-265 VAC/DC
Sensing Voltage ($VS_{ph} - VS_N$)	110 / 220 / 240 / 415 / 500 VAC
Frequency Range	50 / 60 Hz
Power Consumption (For Auxiliary Supply Voltage)	< 4 VA

Output

Output between terminal No. 12 & 13	1 - 5 VDC
Output between terminal No. 14 & 15	4 - 20 mA @ 1 - 5 VDC
Output between terminal No. 16 & 17	2 - 10 VDC
Output between terminal No. 18 & 19	4 - 20 mA @ 2 - 10 VDC
Output Accuracy	± 3%

LED Indications

Power ON	Red LED
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Housing

Material	ABS UL-94-V0
Colour	Light Grey
Dimension (H x D x W) mm	58.4 x 70 x 91 mm
Din Rail Enclosure Component	Polycarbonate
Mounting	TS 35 DIN Rail

***Note:** Voltage Range has to be selected before energizing the unit.