

Ammeters

EPM / EPM-R Series



EPM-4P-96 (SLIM)

- True RMS Measurement
- Adjustable Current Transformer Ratio (for EPM34/14 1...1000/5A 1...5000/1A)
- Double Isolation (□), Category III.
- Front Panel or Rail Mounting
- Operating Temperature: -5°C / +50°C, -5°C, +70°C (for EPM14/34)



EPM-R4D



EPM-34



CT-25

CT-25 is a unique solution to reduce measurement costs in low current systems (up to 210A).

* For CT-25, see Page 80

PRODUCT SELECTION TABLE

Product Code

Product Code		3 ~ Current	1 ~ Current	CT-25 (210A)	Double Demand*	X1 CT	X5 CT	Demand	Output Contact	Front Panel Mounting	Rail Mounting	Fixed Current Terminal	24-250 VAC/DC	Pcs. / Box
EPM-4A-72	Direct Ammeter with CT-25 (210A) (CT-25 included)	●	●	●		●	●	●	●	●				16
EPM-4A-96	Direct Ammeter with CT-25 (210A) (CT-25 included)	●	●	●		●	●	●	●	●				12
EPM-4C-48	Ammeter (with Output Contact) (CT-25 not included)	●	●	●		●	●	●	●	●				20
EPM-4C-72	Ammeter (with Output Contact) (CT-25 not included)	●	●	●		●	●	●	●	●				16
EPM-4C-96	Ammeter (with Output Contact) (CT-25 not included)	●	●	●		●	●	●	●	●				12
EPM-4C-OG-96	Ammeter with Output Contact (for MV applications)	●				●	●	●	●	●		●		12
EPM-4D-48	Ammeter	●	●	●		●	●	●	●	●				20
EPM-4D-72	Ammeter	●	●	●		●	●	●	●	●				16
EPM-4D-96	Ammeter	●	●	●		●	●	●	●	●				12
EPM-4P-96	Ammeter (CT-25 not included)	●	●	●		●	●	●	●	●				12
EPM-R4C	Ammeter with Output Contact (Rail Mount) (CT-25 not included)	●	●	●		●	●	●	●	●	●			16
EPM-R4D	Ammeter (Rail Mount)	●	●	●		●	●	●	●	●	●			16
EPM-14-96	Ammeter	●	●	●	●	●	●	●	●	●		●	●	12
EPM-34-96	Ammeter	●	●	●	●	●	●	●	●	●		●	●	12

CURRENT TRANSFORMERS (For ENTES panelmeters)

CT-25

Primary: 1/2500, Inner Diameter : 15.5 mm, Outer Diameter : 43 mm

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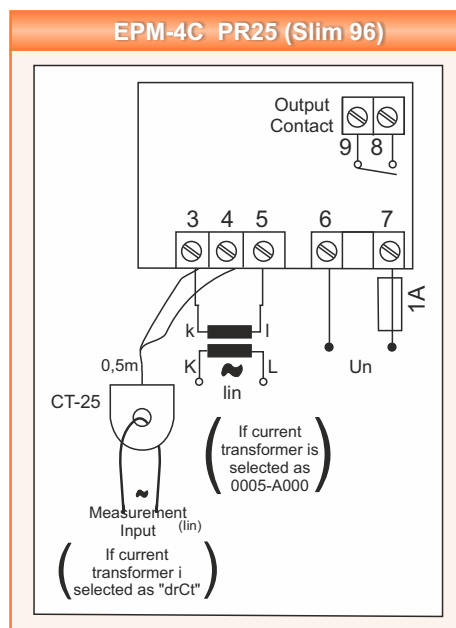
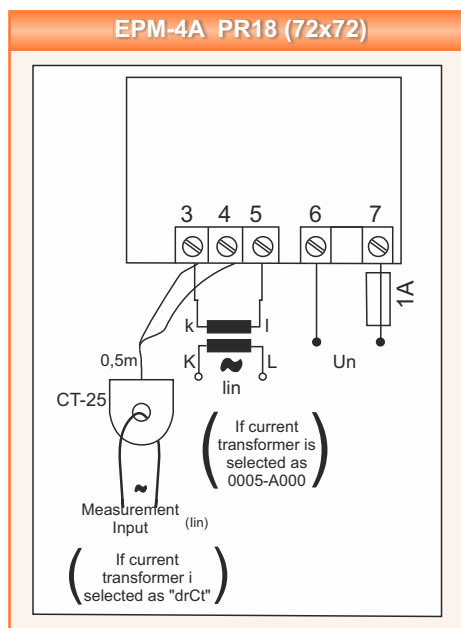
SPECIFICATIONS

	EPM-4D	EPM-4C	EPM-4P	EPM-34	EPM-14	EPM-4A	EPM-R4D	EPM-R4C	
ENCLOSURE									
Dimensions	72x72mm PR18; Slim96 PR25, 48x96mm PR20		Slim96 PR25, 48x96mm PR20		96x96mm PR19		72x72mm PR18; Slim96 PR25		
Weight	0,31kg/pcs. (PR18), 0,28kg/pcs. (PR20), 0,35kg/pcs. (PR25)			0,34kg/pcs		0,31kg/pcs.(PR18) 0,35kg/pcs.(PR25)		0,25kg/pcs	
Display	Red LED; 14mm			Red LED;12mm		Red LED;14mm		Red LED;10mm	
MEASUREMENT									
Accuracy	%1±1digit			%0,5±1digit		%1±1digit			
Voltage									
Measurement Range	50mA-5,5A		50mA-5,5A (CT25 with 70mA-210A)		5mA...5.5A (X/5A) 5mA...1.1A (X/1A)		50mA-5,5A (Ci25 with 70mA-210A)		
Measuring Range with Transformer	50mA...10kA			5mA...5500A		50mA...10kA		50m-5,5A-210A CT-25	
Burden (Input Load)	<0.5VA								
Delay Time (Adjustable)	0-999,9 second							0-999,9 second	
Demand/Demand Period	1-60 minute			1-60 min./1-60s.		1-60 minute			
SUPPLY									
Operating Voltage	110/230V AC±10%			24-250VAC/DC		110/230VAC±10%			
Power Consumption	<4VA								
Operating Frequency	45-65Hz								
OUTPUT / SETTINGS									
Output Contact	-		1NO,5A 1250VA		-		-		
STANDARDS									
Applied Security Standards	EN 61010-1								
Applied EMC Standards	EN 61000-4-2, EN 61000-6-4								
Applied Mechanical Endurance Standards	EN 60529								
AMBIENT CONDITIONS									
Operating Temperature	-5 / +50°C			-5 / +70°C		-5 / +50°C			
Overvoltage Category	III								
CONNECTIONS									
Mounting	Front Panel Mounting						Rail Mounting		
Connection Terminals	PR18,PR19 Screw with socket ; PK20 Screw								
Connection Types	Single Phase, 2 wires			Three Phases, 3 wires		Single Phase, 2 wires			

Electrical Measurement



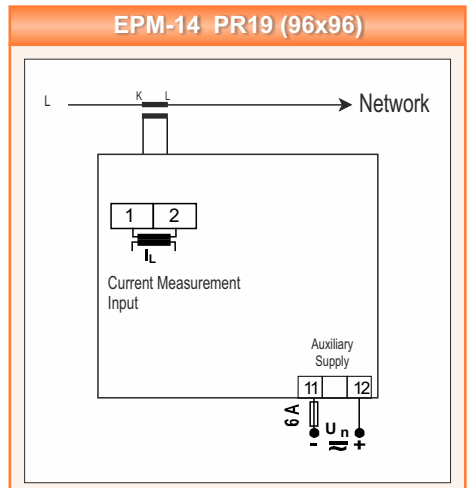
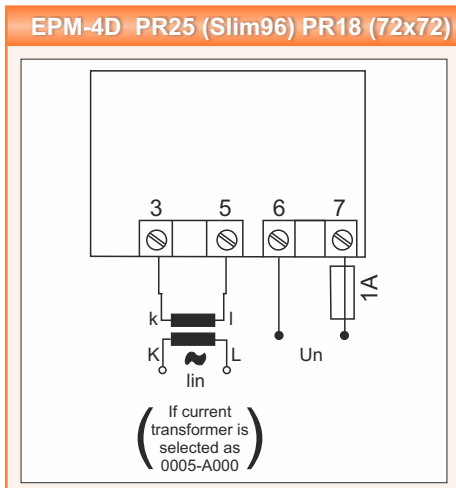
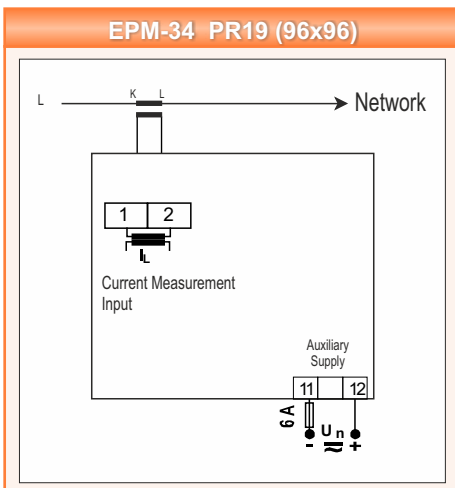
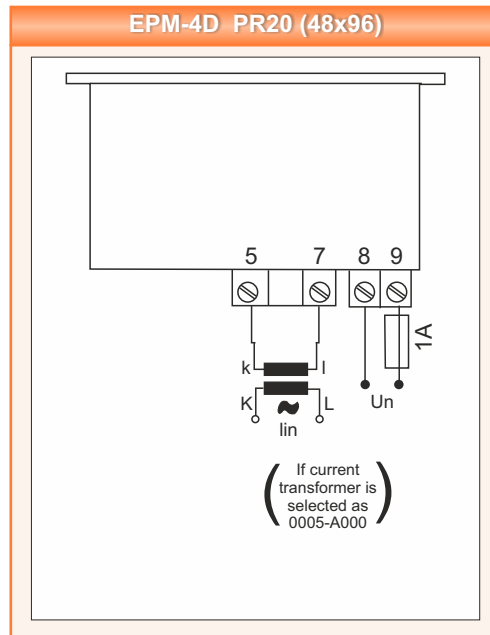
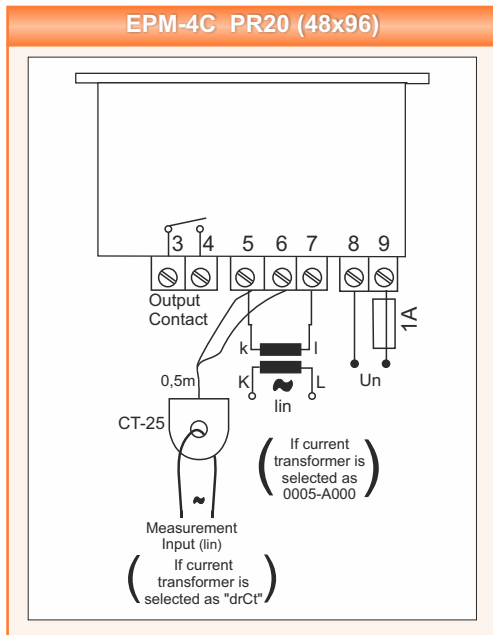
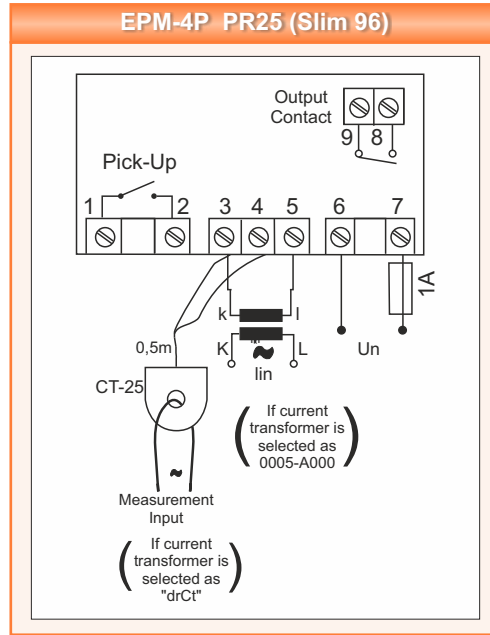
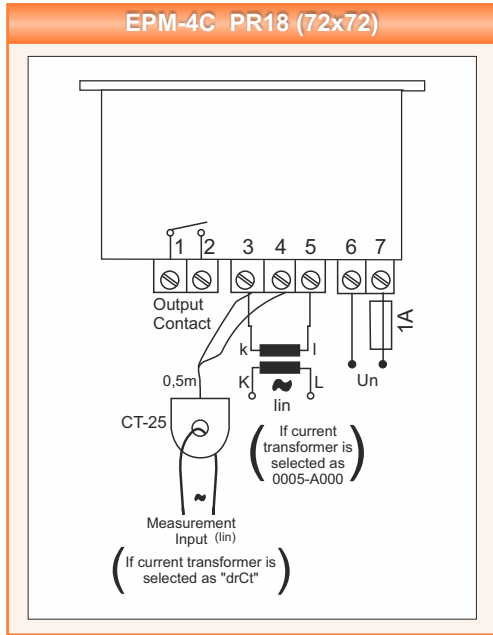
Connection Diagram



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Connection Diagram



Electrical Measurement

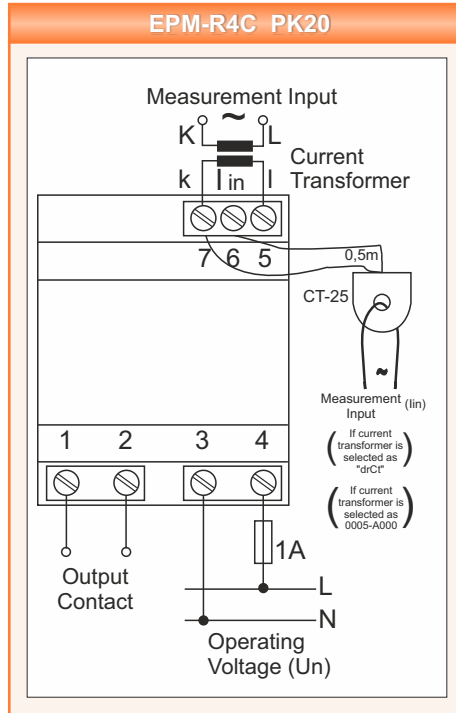
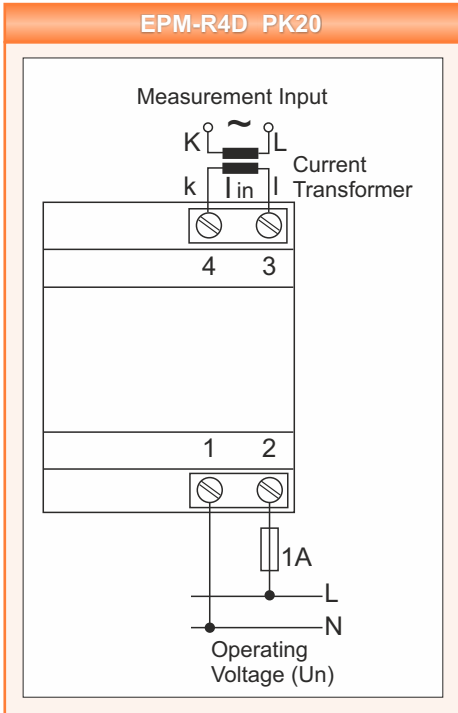
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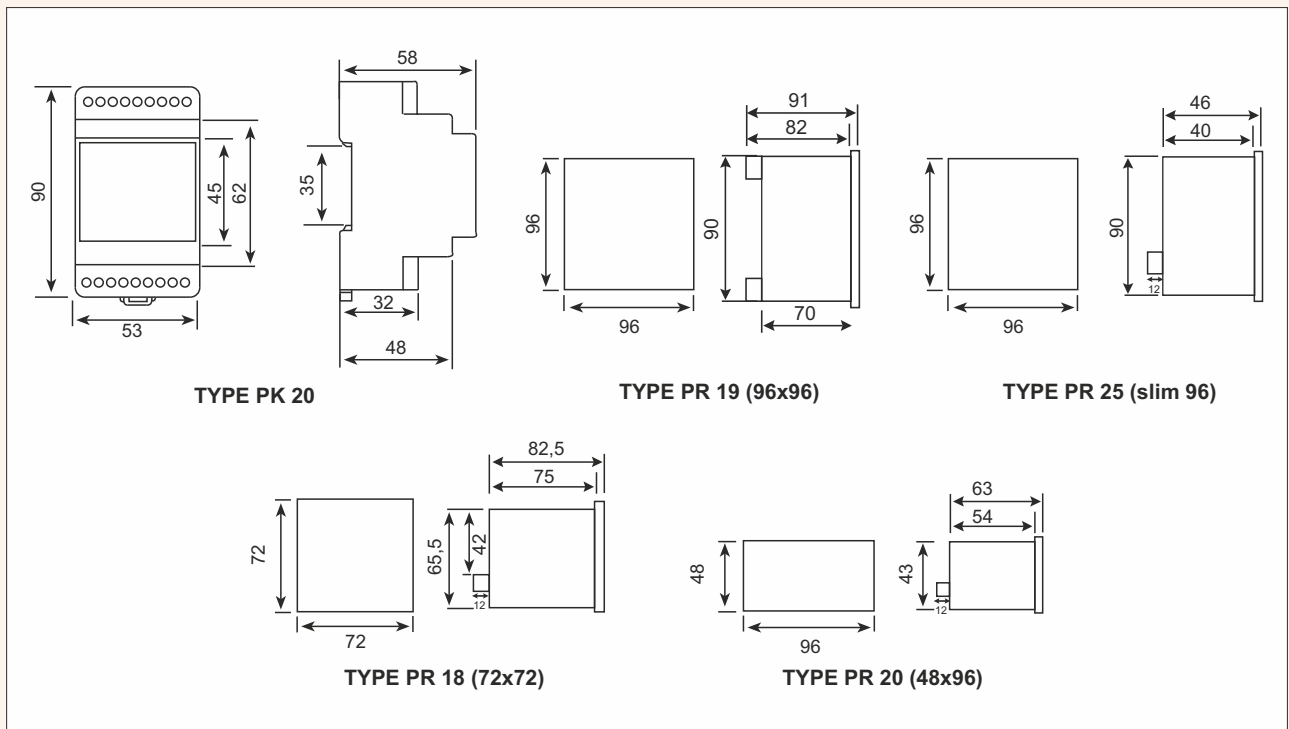
Connection Diagram

Electrical Measurement

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Dimensions



Connection diagrams are given as references. For the latest connection diagrams, please refer to the user manual or www.entec.com.tr.