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 THE OLD BREWERY WORKS
 LOWER ELLACOMBE CHURCH ROAD
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encore 301

“Precision instrument for digital display of kWh with pulse output for connection to a building management system”

The Encore 301 offers:

- Reliable accuracy to Class 1
- Accurate reading even at very low current
- Cost effective solution for energy management
- CT & VT primaries can be set from front keys
- Diagnostic reporting of connection faults



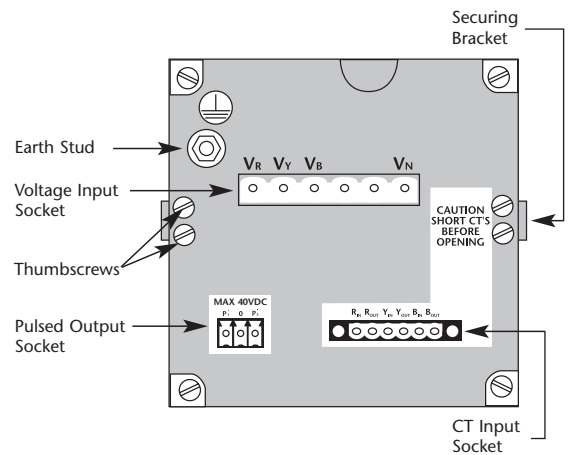
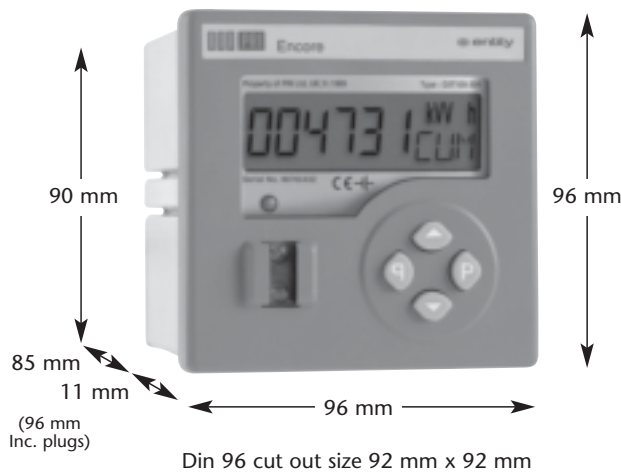
301 Functions

Function	EN301
Voltage & Current	
Neutral Current	
Power kW	
Energy kWh	•
Power Factor & Frequency	
Max. & Min. Volts	
Max. Amps	
Max. kW	
Min. P.F. & Freq.	
Favourites Page	
Diagnostics	•
Meter set-up details	•
Pulse kWh	•

encore technical specification

Encore Technical Specification

ELECTRICAL	110 V	230 V	400 V	VOLTAGES (typical)	110 V	230 V	400 V
	3 Phase 3 Wire	3 Phase 4 Wire	3 Phase 3 Wire		Minimum (AC)	77 V	161 V
				Maximum (AC)	143 V	299 V	520 V
METROLOGICAL	IEC61036:1996, CI 1.0S BSEN61036:1997, CI 1.0S			FREQUENCY	50 Hz/60 Hz		
CURRENT	ALL MODEL TYPES			BURDENS (typical)	ALL MODEL TYPES		
Basic	5 A or 1 A (Factory Set)			Voltage circuit (total)	Less than 2 VA		
Maximum	120% I basic			5 A current circuit	Less than 1.2 VA		
Starting (typical)	0.4% I basic			1 A current circuit	Less than 0.2 VA		
DISPLAY	Combination LCD			DATA RETENTION	Energy 10 years		
MECHANICAL	ALL MODEL TYPES			PULSED OUTPUTS	OPTIONAL		
Dimensions (mm)	W.96 x H.96 x D.96			Type	Solid state (norm. open)		
Enclosure Material	Extruded Aluminium			Voltage Rating	40 V DC		
Flame Retardation	UL 94 V0			Current Rating	100 mA DC max		
Protection	IP53 (on front panel)			Duration	80 ms, 240 ms		
Weight	0.65 kg (max)			Value	configurable		
Max. conductor size	2.5 mm ²						



Installation by qualified personnel only

Typical Connection Diagrams

