)))JOYMETER

Make It Easy

JOY311C
Three Phase Prepaid Electricity Meter

CE MID KEMA LoRa STS ASSOCIATION TÜV SUD dlms COSEM Compliant OMS CMS ISO ISO9001 M-Bus wireless
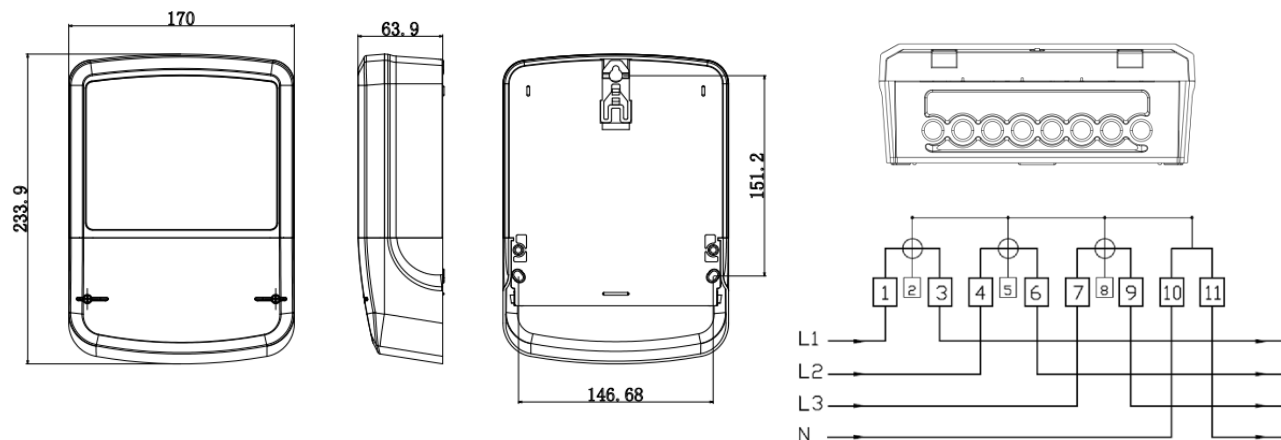
DESCRIPTION

JOY311C is suitable for residential, commercial and light industrial environments. Credit and management data is transferred from a point of sales (POS) to the meter via a 20-digit numeric token that is generated using the Standard Transfer Specification (STS) encryption protocol. The token is entered into meter via a keypad.

The meter (integrated) or CIU (split) can be installed inside the home making it accessible for the consumer to enter in a credit token.

FEATURES

- STS compliant
- Terminal cover detection
- Significant Reverse Energy (SRE) detection
- Adjustable audio and visual low credit warning level
- Easy switch between prepayment and post-payment option
- Automatic diagnosis of various malfunction includes relay fault, memory devices fault, etc.
- More dustproof with flat membrane keypad combined in nameplate
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- Keypad with audible and text feedback
- Magnetic interference detection
- Over load protection

TECHNICAL SPECIFICATIONS

Item		Parameter
Nominal Voltage		3x220/230/240V
Operating Range		70% to 130% of Un
Frequency Range		50/60Hz
Base Current (Ib)		5A/10A
Max Current (Imax)		80A/100A
Pulse Constant		1000 imp/kWh
Accuracy		Class 1
Starting Current		4‰Ib
Max Withstand Voltage		450V (48hr)
Insulation Classification		Double insulation
Insulation Level		4kV rms for 1 minute
Power Consumption		Voltage Circuit ≤ 2W/10VA; Current Circuit≤ 1.0VA@Ib
CIU Types		JOYU3C(2-wire)
Communication		Optical port
LCD		8 digits + icons + 2 digits (index)
		Size: 50mm x 21mm
LED Indicator		Pulse LED: 1000 imp/kWh
		Credit LED: low credit alarm with blinking
		Communication LED
Communication(MCU&CIU, if split)		2-wire communication, Distance: over 200m
Installation		Indoor or outdoor wall-mounted
Product Life		15 Years
Weight		1350g
Dimension		234mm x 170mm x 64mm
Operating Temperature		-30°C ~ 60°C
Storage Temperature		-40°C ~ 70°C
Relative Humidity		≤ 95%;annual mean 75%
IP Rating		IP54
Standard Compliance	Meter Standard	IEC 62052-11, IEC62053-21, IEC 62055-31
	Communication Standard	IEC62055-41, IEC62056-21