



PAYLITE

Single Phase Split Type DIN Rail Prepayment Meter

DIN Paylite* is a split type prepayment metering solution comprising of Main Control Unit (MCU) and Customer Interface Unit (CIU) which facilitates easy installation of MCU mounted in a enclosure on pole top / outside customer premises and CIU can be installed within home as per consumer's convenience. The complete solution is 20-digit STS compliant. The MCU and CIU communicate each other via wired or wireless interface.

FEATURES

MAIN CONTROL UNIT

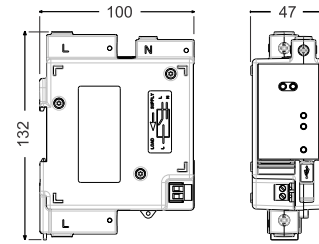
- Compact design
- 35 mm Din Rail mounting
- 100A Load control switch
- Load disconnect on power fail
- 20-digit STS (Standard Transfer Specifications) compliant decryption
- Optical port
- Micro USB connector for remote reading
- 2-wire galvanically isolated communication with CIU with a distance of minimum 100m (option)
- Wireless communication with CIU over low power radio frequency (LPRF) (option)
- LED indicators for relay status, communication with CIU and consumption rate

CUSTOMER INTERFACE UNIT

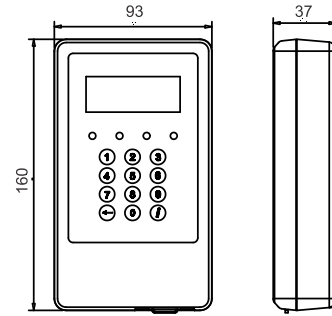
- No additional power requirement to CIU in the case of wired interface.
- In wireless interface, CIU is mains powered with battery back-up
- LCD with alphanumeric digits for displaying energy registers and token messages in user friendly format
- Status information provided through the language independent icons
- 12-digit keypad with audible feedback
- Short Codes for meter functional verification
- CIU beeps on all token messages i.e. low credit, acceptance or rejection of token etc.
- Instantaneous load and historical data on display
- Last five credit tokens entered on display
- User programmable alarm limits and duration
- LED indicators for credit status, load connect/disconnect and consumption rate
- 2-wire polarity independent connection assures easy installation

TECHNICAL SPECIFICATIONS

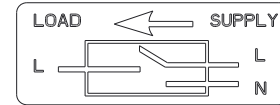
Connection Type	1P, 2W Split Type Pre Payment kWh Meter
Mounting	35 mm DIN Rail
Standards	IEC 62052-11, IEC 62053-21 IEC 62055-31, SANS 1524-1
Accuracy Class	Class-1.0
Rated Voltage	230 Volt (+20% to -50%)
Rated Current	5(80A), other intermediate values on request
Power Factor	Zero (lag)-Unity-Zero(lead)
Starting Current	0.4% Ib
Frequency	50 Hz \pm 5%
Power Consumption	Voltage Circuit: <2.5W / <10VA at rated voltage Current Circuit: <4VA at 5A
CIU Display	LCD with Alphanumeric display and status icons
LED indicators in MCU	3 nos. (relay status, Power/Communication status, calibration)
LED indicators in CIU	4 nos. (credit status, load connect/disconnect, calibration and communication status between MCU & CIU)
MCU Communication ports	Optical Port for Local Communication Wired or Wireless interface with CIU
MCU - CIU Wired Interface	Galvanically isolated 2-wire interface Communication distance - min 100m
MCU - CIU Wireless Interface	Low power radio frequency (LPRF) interface Frequency bands - 433MHz to 868MHZ, depending on the license free spectrum available Communication distance - 100m LOS
Battery for Wireless CIU	2 nos AA type (non-rechargeable type) Easily replaceable
Operating Temperature Range	-10 °C to +55 °C
Storage Temperature Range	-25 °C to +70 °C
Operating Humidity	Up to 95%, non condensing
IP Rating	IP51
Weight	MCU ~ 0.340 kg CIU ~ 0.260 kg
Dimensions (L x W x H)	MCU ~ 132mm x 47mm x 100mm CIU ~ 160mm x 93mm x 37mm



Main Control Unit



Customer Interface Unit



Connection Diagram



Corporate Office:

Genus Power Infrastructures Ltd.
(A Kailash Group Company)

SPL-3, RIICO Industrial Area, Sitapura, Tonk Road, Jaipur-302022, (Raj.), INDIA
T. +91-141-7102400/500 | F. +91-141-2770319, 7102503 | E. metering_exports@genus.in | W. www.genus.in