

COMMUNICATION

Landis+Gyr

CU-ADP1

TECHNICAL DATA



Application

Function

The CU-ADP1 CU adapter permits the external operation of Landis+Gyr communication units of the 2nd generation together with meters, in which no communication unit can be fitted. It generates the supply voltage for the built-in communication unit from the mains voltage.

Voltage

1-phase Rated Voltage U_n 58 – 240 V AC

Voltage Range 80 % – 115 % U_n

Frequency

Rated Frequency f_n 50 or 60 Hz

Operating Behaviour

Voltage Failure (Power Down)
bridging time at 230 V < 2 s

Voltage Restoration (Power Up)
function standby after 1 s

Power Consumption

at 230 V
without communication init 0.4 W / 1.2 VA
with CU-G2x (data transmission) 2.2 W / 3.8 VA

Environmental Influences

Temperature Range to IEC 62052-11
operation -40 °C – +70 °C
storage -40 °C – +85 °C

Impermeability according to IEC 60529 IP52

Electromagnetic Compatibility

Electrostatic Discharges to IEC 61000-4-2
contact discharge 15 kV

Radio Interference Suppression
according to IEC/CISPR 22 class B

Fast Transient Surge Test to IEC 61000-4-5
current and voltage circuits 6 kV

Insulation Strength

With built-in communication unit
insulation strength 4 kV at 50 Hz for 1 min
pulse voltage 1.2/50 μ s to IEC 62052-11
current and voltage circuits 8 kV
protection class according to IEC 60050-131 2

Display

Voltage Indication green LED

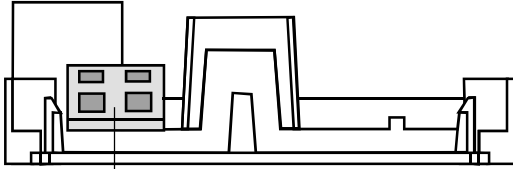
Output

Communication Unit Power Supply 12.5 V DC
over the entire input voltage range

Maximum Current 450 mA

Connections

Terminal Layout



Mains voltage connection

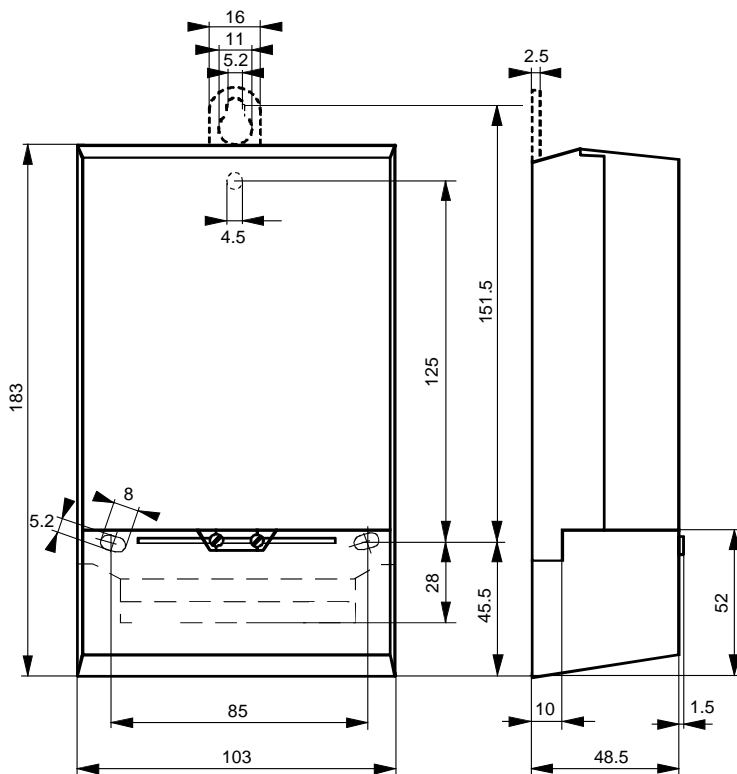
Communication Unit Power Supply

10-pin plug

Mains Voltage Connection

2-pin screwless spring-type terminal WAGO

Dimension drawing



subject to technical changes

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Material

Case and Terminal Cover polycarbonate and ABS

Transparent front cover polycarbonate

Weight and Dimensions

Weight (without Communication Unit) approx. 300 g

External Dimensions (see also dimension drawing)

width 103 mm

height 183 mm

depth 50 mm

Suspension Triangle

height (suspension eyelet open) 151.5 mm

height (suspension eyelet covered) 125 mm

width 85 mm