Technical Datasheet

Liberty Connect 100 Credit and PAYG Unit

The Liberty Connect 100 is a simple, secure and scalable payment and metering solution designed for heat networks. It acts as a hub within the home, providing tamper detection and two way communication with the heat service provider. Tenants get a portable, fully functional in home display, the Pipit 500, to monitor and control their energy costs. It is based on Secure's smart metering architecture and suits new build and retrofit projects of any size.

Features:

- Payment solution for heat networks
- Tamper detection and two way communication
- Portable Pipit 500 in home display
- Usage data and alerts, tenants in control
- Multiple ways to top up
- Debt management options
- Certified security
- Easy and quick installation



Managed Services

Meter Data Management

Billing Solutions

PAYG Management

Online Account Management

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Liberty Connect 100 Credit and PAYG Unit

SYCOUS®

Part Codes	
SY100PP	Sycous Liberty 100 Pay as you go Unit
SE200PP	Sycous Liberty 100 Unit without Pipit
SY910CO	Liberty 100 Commissioning
SY911CO	Liberty 100 Installation
SE100CH	Secure Liberty Pipit Charger
SE100AN	Wall Mounted Antenna, 2G/3G/4G
SE300PP	Secure Pipit In Home Display Unit

Technical Specification	
Electrical	
Rated voltage	230 VAC, plus 30 % and minus 20 %
Frequency	50 Hz plus or minus 5 %
Relay input voltage	12 VDC, 24 VDC, 110 VAC or 230 VAC (maximum 26 VDC or 250 VAC)
Relay current rating	2 A maximum
Power source	Mains supply
Life expectancy	10 years
Inputs	
Pulse	Potential free contact (open collector) OB type, pulse width 20 to 800 ms, 3 kV isolation
Wired MBus	Supports a single slave, 36 VDC supply, 20 mA load, 3 kV isolation
Mechanics	
Dimensions (l x w x h)	145 x 155 x 46 mm
Weight	0.55 kg approx.
Sealing	2 seals on the rear and 1 on the terminal block cover
Environment	
Operating temperature	Minus 25 to plus 55 °C
Storage temperature	Minus 25 to plus 70 °C
Operating humidity	Up to 95 % non condensing
Pipit 500 in home display	
Dimensions	115 x 80 x 40 mm
Weight	0.2 kg approx.
Power consumption	Under 0.6 W
Display area	76 x 40 mm



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