Conlog’s new CIU(X) Power Line Communication customer interface unit provides the perfect companion to the industry leading BEC44(X) product range. With an eye catching modern design philosophy, the Conlog CIU(X) is welcome in any residential dwelling. The device is simple to install and provides a reliable communication interface that can operate comfortably up to 150 metres. An added benefit is that the CIU(X) is designed to meet the highest quality standards the Conlog brand is known for throughout the industry.

If you are looking for a robust, reliable Power Line Communication metering solution, Conlog is the partner you can trust.

**Features**

- Orthogonal Frequency-Division Multiplexing (OFDM) modulation
- Operates in extreme supply conditions
- G3-PLC
- CENELEC A band
- Alkaline battery backup
- Quick and easy to install
- Reduced installation costs
- Tactile keypad with audible feedback
- Consumption Rate indicator

**We see a world where we can all achieve more while using less**
**We help utilities maximise their service delivery**
**Our products, solutions and services are simple, efficient and innovative**
Product specifications

Voltage ratings
- Nominal voltage: -20% to +15%
- Supply frequency: ±5%

Electrical ratings
- Battery size (Alkaline): AA
- No. of batteries required: 2
- Battery voltage: 1.5V
- Operating voltage range: 1.8V to 3V
- Typical battery life: 3 years
- Status indicators: Rate indicator (1000 imp/kWh)

Customer displayed information
- Status of consumer’s AC supply
- Available credit
- Token accept / reject
- Previously entered STS tokens (meter dependant)
- Meter status register
- Range dependent on environment and installation

Displays
- Number of digits: 7 major / 3 minor
- Character height: 15mm / 7mm
- Type: Liquid crystal display
- Viewing area: 53mm x 30mm
- Annunciators: 6 icons and 10 segment bar graph

Keypad
- Columns x rows: 3 x 4
- Key press feedback: tactile / silicon rubber keys
- Accessibility: visually impaired friendly

Audible feedback
- Key presses
- Token acceptance / rejection
- Low credit warning

Communication (MCU)
- Power line communication (OFDM)
- CENELEC A Band

Environmental
- Operating temperature: -10°C to +55°C
- Storage temperature: -25°C to +70°C
- Humidity: 95% non-condensing
- IP rating: IP 52
- RF immunity: 30V/m
- Manufacture: Pb (Lead) free

Installation
- Insulation class: Double insulation

Tested Standards
- IEC 61000-4-2
- IEC 61000-4-3
- IEC 61000-4-4
- IEC 61000-4-5
- IEC 60950-1
- CISPR22 Class B

Packaging
- Units per carton: 5
- Packed weight (incl. box): 1.97kg

For further packaging information, kindly contact Conlog

* Subject to ambient conditions
  All dimensions are in mm

Conlog
P O Box 2332, Durban, 4000, South Africa
Tel +27 (31) 268-1111    Fax +27 (31) 268-1500
www.conlog.com
info@conlog.com