

# KY121 User Interface Unit (UIU)

## KEYPAD – MONITOR AND CONTROL UNIT



The KY121 is a smart customer interface unit (CIU). The KY121 is an integrated part of Powercom AMI "Smart Grid" solution. The unit is located in the customer's premises and communicates with the customer meter. It displays the customer a range of information as consumption, demand data, rate of consumption. The customer can initiate communication back to the meter. Most common application will be prepayment token download to the meter. The unit is capable to store the data and present it to the customer to result Energy Conservation

## FEATURES

- Includes RS485 and RF device to communicate with the meters
- Displays prepayment data as: Tariff index, Key revision number, Key type, available credit, power limit, total energy used to date, tamper status, available credit, instantaneous power, date of last token entered, token ID of last token entered.
- Displays TOU information: Off Peak kWh (import), Peak kWh (import), Total kWh (import)
- Displays Current demand, Interval tariff period, Energy cost (current month), Energy cost (previous interval), Appliance switching times, Appliance status (open/close), Supply capacity(kW)
- Displays Meter events: Tamper detected, Over and under voltage, Disconnect, Meter configuration change, Emergency appliance control
- Displays Multi utility information: Water and Gas information
- Includes essential operation information as: Meter serial number, Date and Time, Software version.
- Display can be read at dark
- Capable of functioning after the meter has disconnected the electricity supply
- Can be mobile in the customer premises due to RF connection to the meter
- Mechanical and climatic conformance with IEC62052-21
- Rayed IP54 in accordance to IEC60529
- Graphical display 255 characters long
- Refresh from with Meter information upon a settable time
- Navigation buttons for data scrolling
- Alarm LEDs for customer notification
- Includes buzzer alarm (optional)
- Key operation of min. 1,000,000 operations
- Long life time

