Multi-channel Auto Meter Reading Module

1 Front Panel
- Battery Recharger Terminals
- Power Supply
- Meter Pulse Terminals
- LED Display
- Comm. Indicators
- RS485 Terminals
- Function Key

2 Dimensions
- AMR
- 59mm x 95mm
- 154mm x 62mm
- Weight: 343g

3 Mounting
Step 1: Pull down the latch
Step 2: 1. Hook the top notch onto the DIN rail
2. Swing forward towards the wall
Step 3: Push up the latch to secure

4 Wiring Diagram
- Power Supply 15VDC
- Rechargeable Battery
- Shielded twisted signal cable
- Common
- Communication Cable
- Up to 8 or 16 meters can be connected depending on model
- Recommended maximum length of signal cable be no more than 100 meters

- 8 meters on top row
- 8 meters on bottom row
5 Terminal Wiring Detail

- **Power**
  - Recommended: Use 16~24 AWG wire with European Style Terminator
  - Note the polarity

- **Battery Charger**
  - Recommended: Use 16~24 AWG wire with European Style Terminator
  - GND +

- **Meter Pulse Signal**
  - Recommended: Use 16~24 AWG wire with European Style Terminator
  - White Wire
  - Red Wire

- **RS485 Communication**
  - Recommended: Use 16~24 AWG wire with European Style Terminator
  - Shielded and twisted signal cable

6 Setup

- Long press means to press and hold the function key for 2 seconds or more

<table>
<thead>
<tr>
<th>Select Parameter</th>
<th>Setup Parameter</th>
<th>Parameter Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add [address]</td>
<td>CYC [cycle display]</td>
<td>Add: 0~254</td>
</tr>
<tr>
<td>CYC [cycle display]</td>
<td>rATe [pulse rate divider]</td>
<td>CYC: Y / n</td>
</tr>
<tr>
<td>dEC [decimal position]</td>
<td>br [baud rate]</td>
<td>dEC: 0 / 0.0 / 0.00</td>
</tr>
<tr>
<td>br [baud rate]</td>
<td>ELC [electricity]</td>
<td>br: 1200 / 2400 / 4800 / 9600</td>
</tr>
<tr>
<td>ELC [electricity]</td>
<td></td>
<td>ELC: n (water), Y (electricity)</td>
</tr>
</tbody>
</table>
7 Normal Display

During normal operation, the display will show the channel number and its accumulated pulses. The accumulated pulses is the value after being divided by the pulse rate divider. The decimal position is cosmetic only and is used to make the displayed value more palatable to the operator.

1. Select Channel To Display

2. Display Cycles Among All Channels

8 Warnings & Precautions

Danger
To prevent electric shock, turn off all sources of electrical power to the device during installation or wiring.

Warning
- Install only by a qualified and trained personnel.
- Follow these instructions accordingly, otherwise damage may occur to the device.
- Follow electrical rules and regulations in the selection of wire materials and gauges.
- Avoid having oil, water, metallic powder or other foreign substances enter the device.
- Avoid using the device in environments where it will be exposed to steam, corrosive, or flammable substances; which can cause short circuits, fires, or explosions.