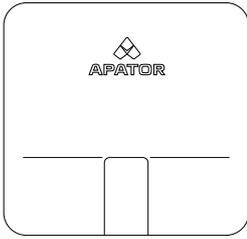




HUB-WMBUS HUBS

COMPATIBILITY



WMBUS-based hub for data output from metering devices to a telemetry server. Supports reading up to 1600 devices

Model:
HUB-WMBUS-BAT
HUB-WMBUS-230

SPIDAP

Telemetry portal



SHIPPING AND STORAGE

Protect against shocks and vibration.

Store between 0°C and 60°C.

The maximum storage life is 1 year

BASIC INFORMATION

Ambient temperature: **5 - 55°C**

Mains power: **230V***

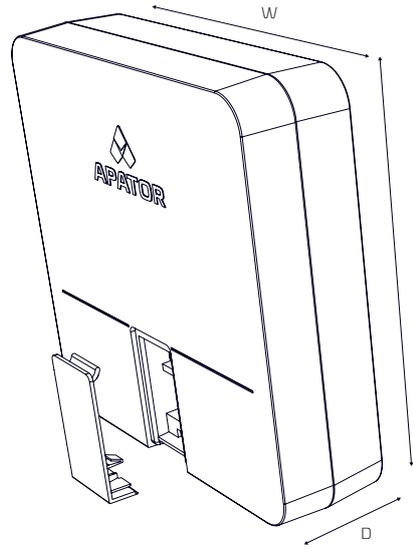
Battery life: **up to 5 years**
Two integrated 3VDC*

Communication standard: DMS-compliant WM-Bus

IP54

The product may only be cleaned with a dry soft cotton cloth, only slightly damp with water if need be. Never clean with any solvents.

* Depending on the model (BAT/230)



W: 179,80 mm
L: 174,80 mm
D: 47,50 mm

~230V/50Hz/10W



OPERATING SAFETY REQUIREMENTS



Prevent access to the appliance by unauthorised persons (including children unaccompanied by an adult) and persons with reduced mental or motor skills



Do not apply any loads to the unit



Do not touch the unit if damaged



Warning: possible battery acid leak with risk of corrosion to exposed parts of the human body



Warning: possible battery ignition

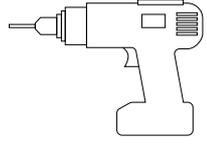
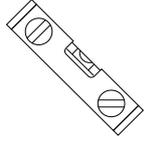
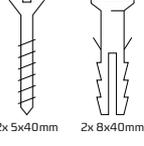
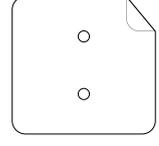


Do not operate this unit in extreme environmental conditions



Do not remove, recharge, regenerate/recondition by any means, disassemble, dispose of in a fire or electrically short the batteries

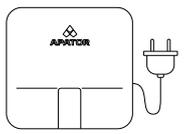
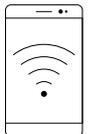
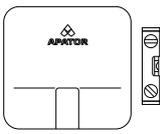
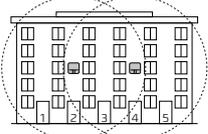
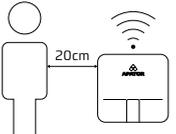
INSTALLATION COMPONENTS REQUIRED FOR THE HUB-WMBUS

| | | | | | |
|---|--|---|---|---|--|
| <p>PZ2 bit driver</p>  | <p>Power drill with ø8 drill bit</p>  | <p>Spirit level</p>  | <p>Screws with expansion plugs (included)</p>  <p>2x 5x40mm 2x 8x40mm</p> | <p>Installation template (included)</p>  | <p>Disposable tamper seal (included)</p>  |
|---|--|---|---|---|--|

CLASSIFICATION OF ENVIRONMENTAL CONDITIONS

Environmental classification – Climate and mechanical conditions: class **E1**

COMPATIBILITY AND INSTALLATION REQUIREMENTS

| | | | | | |
|---|--|--|---|---|---|
|  <p>for the 230 VAC* version</p> |  <p>LTE</p> |  <p>Operating orientation</p> |  <p>It is recommended to install each unit every 2nd block entrance and every 3rd floor</p> |  |  <p>20cm</p> |
|---|--|--|---|---|---|

SOFTWARE UPDATE

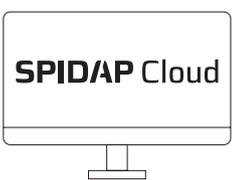
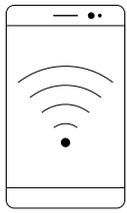
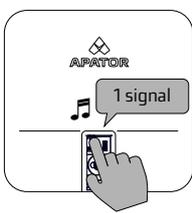


During installation, the HUB-WMBUS can update its firmware. This process is indicated by flashing LEDs:

- White LED: rapid flashing (up to a few tens of seconds), turned off next.
- Red LED: flashing (2 times for several seconds each), turned off next.

The update process may take up to 5 minutes. If the LEDs stop flashing for 10 seconds or more, the update process has been finished.

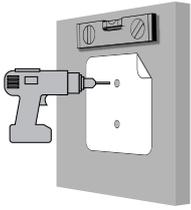
INSTALLATION INSTRUCTIONS - 230 VAC/BAT model version

| | | | | |
|---|--|---|---|--|
|  <p>Pre-installation steps: logging in the system Enter the client's communication port and add the SNs and key IDs to the SPIDAP CLOUD system.</p> |  <p>The unit should be installed by a qualified electrician.</p> |  <p>1. Choosing the installation location Verify the GSM** service signal strength at the planned installation location.</p> |  <p>a) Press and hold the button until you hear a single beep.</p> |  <p>b) Verify the LED indications If three LEDs are on, go to step e)</p> |
|  <p>c) Verify the LED indications If two or less LEDs are on, relocate and check the signal strength again.</p> |  <p>d) Verify the LED indications If more than 5 minutes have passed since the button was pressed (step a)), there is no beep and all LEDs are off, change the installation location to continue the installation process and restart from step a)</p> |  <p>e) Press and hold the button again until you hear a double beep which indicates the start of the Internet connectivity test. During this test, the unit generates short single beeps to confirm that the process is continued</p> |  <p>f) Triple beep If you hear a triple beep indicating a successful Internet connectivity test, proceed to stage 2 of the installation instructions</p> |  <p>g) No signal If the unit has stopped beeping (up to 1 min after the start of the procedure), the Internet connectivity test has failed and a new installation location must be selected; next, restart from stage 1 above.</p> |

** Consider the service coverage of the GSM operator who has provided the SIM installed in the unit.



TARGET INSTALLATION



2. Apply the template and drill 2x \varnothing 8 holes.

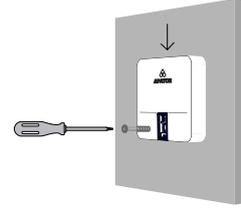


3. Drive the expansion plugs into the holes

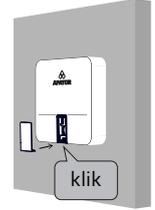
Screw in the top screw so that the distance from the expansion plug face to the screw head bottom is 5mm.



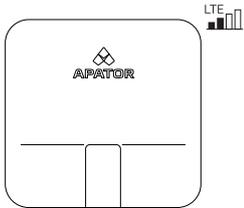
4. Connect the mains power supply
(not applicable to the BAT model version)



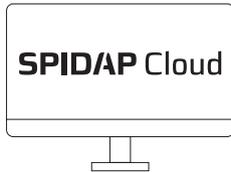
5. Hang the unit on the top screw, follow by sliding the unit down to stop on that screw and tighten the lower screw into the respective expansion plug.



6. Install and secure the tamper seal
A triple beep indicates the successful completion of the Internet connectivity test.



7. The installation process is now complete



8. Operations in the system
Connection to the SPIDAP Cloud is schedule-managed.

If the Internet connectivity test has been passed, but the unit is still not visible in the SPIDAP Cloud, contact Apator Powogaz support and provide the SN of the unit.

CAUTION:

In some cases, depending on ambient conditions and GSM service coverage, the number of units required on site can be lower. It is recommended to test the GSM service signal strength to optimise the number of units on site. If you have any further questions, contact your local distributor. Apator Powogaz S.A. has the right to modify and improve the manufactured equipment without prior notice.

WARNING:

This manual is the property of Apator Powogaz S.A. and all rights to this document are reserved. Copying or distribution are strictly prohibited. This manual, being part of the unit, should be kept with it to ensure that the information is accessible to both the user and qualified service personnel. It is recommended to read this manual before using the unit for the first time in order to ensure safe and correct operation. Apator Powogaz S.A. shall not be liable for any injury or indirect damage or material losses resulting from incorrect installation or improper use of the unit in deviation of its intended use.

PROHIBITIONS:

The unit shall be used in accordance with this manual. Never attempt to modify or repair the unit on your own. Strictly follow its intended use. If the unit has failed or is suspected to have failed, contact a suitably qualified service.



Do not dispose of this product with mixed household waste. Return the product to a selective waste collection point. Please recycle.

CAUTION: Detailed information about the operating principle and conditions, see www.apator.com

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