LANSEN

WIRELESS BUILDING TECHNOLOGY

QUICK INSTALLATION GUIDE

MBUS MASTER (LAN-WMBUS-MA)

Protocol version: 04

Document version: 02

Recommended mounting instructions:

- For maximum range, mount the device and receiver so they are:
    - In-line horizontally (right or left) of each other or,
    - In-line vertically (above or beneath) of each other.
- Avoid placing directly against metallic objects to maximize range.
- Only authorized electricians may install this device.

Step 1:

Remove the lid on the device using a screwdriver on the front screws so the inside is shown and discard the white foam block if present.



Step 2:

Guide the cables from the wired MBUS devices through the right cable gland and connect the cables to the terminal block marked with numbers, either to 1+2 or 3+4. Once connected, tighten the cable gland.

Note: The terminal block can be carefully removed for easier installation of cables.

Note: This device only supports 2400 baud.

Note: The wires from MBUS devices must be connected to either number 1+2 or 3+4.

Step 3:

Guide the mains power cable through the left cable gland and connect to the AC/DC-converter by:

a) Connecting the ACL (-L) wire (black or brown) and,

b) Connecting the ACN (-N) wire (white or blue)

Make sure the cables are connected correctly and tighten the cable gland.

Step 4:

When the device is powered on, it will start searching for meters. This can take up to 10 minutes and the device will emit a short beep for each meter found. When search is done, the device will beep for 500ms for each meter found.

Note: Directly on power on, the device will check the bus for overload condition. If overload is detected, the device will beep continuously until overload condition has been resolved.

Note: A new search for meters can be initiated by holding a magnet to the label for 1 second.

Note (only for devices ending with -F, e.g., LAN-WMBUS-MA4-F): If no meter is found, the device will beep continuously. Check connections and initiate new search with magnet.

LED INDICATION			
Name	Color	Condition	Indication
PWR	Green	Normal	On when power is applied to the device.
TX	Blue	Normal	Quick flash when serial data is transmitted from the MBUS master on the bus.
RX	Green	Normal	Quick flash when data is received from an MBUS slave OR if there was a fast change in the bus load.
A	Red	Alarm	On for minimum 5s or until overload condition has been resolved (Software overload detection).
B	Red	Alarm	On during overload condition (Hardware overload detected).

Step 5:

Mount the device to, for example, a wall using four M4-screws through the holes in each corner of the device.

Put the lid back on and tighten the front screws with a screwdriver.

Installation is complete!