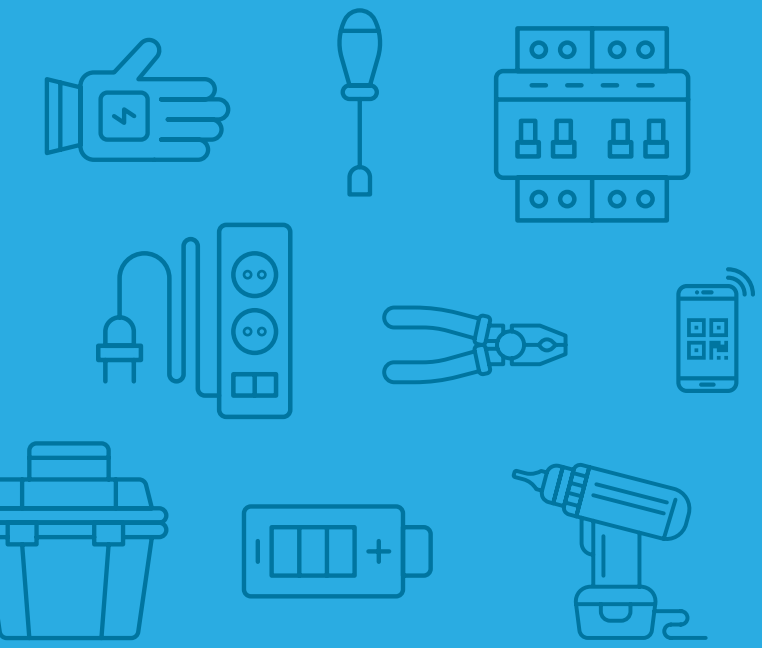
Buddy Ohm



Getting Started

Pre-Installation Guide

This guide helps you determine how many Ohm hardware units are needed to monitor your space as well as provide safety information and installation checklists.

Only trained and certified electricians are allowed to install, replace, or service. Working with electrical systems such as panels with energy supply can lead to major injuries.

Safety Warning and Recommendations

Hazards and Cautions:

- Working with electrical systems such as panels with energy supply can lead to major injuries. Only trained and certified electricians are allowed to install, replace, or service.
- Take care when connecting devices and sensors to supply/power panels.
- Locate the emergency power-off switch in the room in which you are working. If an electrical accident occurs, you can quickly turn off the power.
- Look carefully for and remove possible hazards in your work area, such as moist floors, ungrounded power extension cables, frayed power cords, and missing safety grounds.
- Perform hazard assessments when working with high energy power to determine the PPE needed to protect workers. Additional PPE, such as fall protection equipment, respirators, chemical-resistant or cut-resistant gloves, and chaps, may be required, depending on the results of the hazard assessment.
- Depending on the job task to be performed, wear PPE appropriate for the task. This generally includes, but is not limited to, safety glasses, face shields, hard hats, safety shoes, insulating (rubber) gloves with leather protectors, insulating sleeves, and flame-resistant (FR) clothing.
- Do not work alone if hazardous conditions exist.

General Safety Recommendations:

- Keep the chassis area clear and dust-free during and after installation.
- Keep tools and chassis components away from walk areas.
- Do not wear loose clothing that could get caught in the chassis. Fasten your tie or scarf and roll up your sleeves.
- Wear safety glasses when working under conditions that might be hazardous to your eyes.
- Do not perform any action that creates a hazard to people or makes the equipment unsafe.

Installation Checklist

Please ensure all materials, components, and accessories are ready prior to an installation. This checklist will help you plan your install.

Completed Site Survey *(Project Scope)*

Prior to installation, the Site Survey on the next page should be completed. The survey will inform you what hardware goes where at the installation site. If you do not have a completed Site Survey or have questions contact support@buddy.com.

Ohms, antennas, Mini UPS 5V power adapters, and mounting plates

If there is no metal surface to mount the Ohm unit, find a suitable location with access to a nearby outlet and install the metal mounting plate. If any CT clips will be attached to the Ohm, it will also need to be near the electrical panel.

Ohm Links, antennas, and power adapters

Each Ohm Link should have a 9V AC-AC and 5V DC adapters for reading voltage. 5V is necessary and 9V is optional for real power (high accuracy). If the Link will run on batteries in a single-phase installation, you will need to use (3) AA lithium Ion batteries per Link.

Ohm Senses

You will need: Mounting tape or Velcro tape and (2) AA lithium Ion batteries.

Installation tools

You may need a drill, drill bits, mounting screws, wire cutters, zip ties, cable straps, screw drivers, spare breakers, etc., to properly install Buddy Ohm.

Electrical outlet parts

If a new outlet needs to be installed, be sure to have all the necessary components like a junction box, outlet, faceplate, and wires.

Site Survey

This is an interactive PDF form, please complete one form per site.

General Information

Primary Contact Information	YOUR NAME:	EMAIL:	PHONE:
Project/Site Name			
Project/Site Address	ADDRESS:	STATE/PROVINCE:	COUNTRY:
On-site Person's Contact Information	ON-SITE PERSON'S NAME:	ON-SITE PERSON'S EMAIL:	ON-SITE PERSON'S PHONE:
Any site specific monitoring goals? If so, please list.			
Apx Square Feet		Number of Floors	

Monitoring Details

What resources are we monitoring?	☐ Electricity	☐ Water	☐ Solar	☐ Gas ☐ Temperature/Humidity
Do the site have good cellular coverage?	◯ Yes	◯ No		
If site **does not** have good cellular coverage? Is there Ethernet Port available where the Buddy Ohm system is going to be installed at?	◯ Yes	◯ No *(if no, answer next question)*		
What is the WiFi network, user name and password?	NETWORK NAME:	USER NAME:	PASSWORD:	
Is an electrician required for install?	◯ Yes	◯ No	Request 9 Volt adaptors *(9V is used to increase the Voltage readings accuracy in countries where voltages are unstable)*	◯ Yes ◯ No
What conditions exist at the location? *(e.g.: Heavy equipment, dense walls, hazards).*				

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Electrical

	Panel or Circuit	Description *e.g.: Basement, Parking Garage* *(25 character max.)*	Cable/wire Diameter *(Optional)*	Voltage	Amperage	# of Phases (1 or 3)	Power Outlet Available
1	◯ Panel ◯ Circuit					◯ 1 (single) ◯ 3 Phase	◯ Yes ◯ No
2	◯ Panel ◯ Circuit					◯ 1 (single) ◯ 3 Phase	◯ Yes ◯ No
3	◯ Panel ◯ Circuit					◯ 1 (single) ◯ 3 Phase	◯ Yes ◯ No
4	◯ Panel ◯ Circuit					◯ 1 (single) ◯ 3 Phase	◯ Yes ◯ No
5	◯ Panel ◯ Circuit					◯ 1 (single) ◯ 3 Phase	◯ Yes ◯ No
6	◯ Panel ◯ Circuit					◯ 1 (single) ◯ 3 Phase	◯ Yes ◯ No
7	◯ Panel ◯ Circuit					◯ 1 (single) ◯ 3 Phase	◯ Yes ◯ No
8	◯ Panel ◯ Circuit					◯ 1 (single) ◯ 3 Phase	◯ Yes ◯ No
9	◯ Panel ◯ Circuit					◯ 1 (single) ◯ 3 Phase	◯ Yes ◯ No
10	◯ Panel ◯ Circuit					◯ 1 (single) ◯ 3 Phase	◯ Yes ◯ No
11	◯ Panel ◯ Circuit					◯ 1 (single) ◯ 3 Phase	◯ Yes ◯ No
12	◯ Panel ◯ Circuit					◯ 1 (single) ◯ 3 Phase	◯ Yes ◯ No

OTHER NOTES:

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Electrical *(continued)*

How far apart are the electrical panel(s) listed on previous page from each other? ◯ 0-50 ft ◯ 50-100 ft ◯ 150 ft+	MORE DETAILS:
Are there any existing signal blockers such as thick concrete walls, metal surfaces, or any other condition that may block a cellular signal between the electric panels ? ◯ Yes* ◯ No *If yes, please use the space on the right to describe condition.	MORE DETAILS:

Water, Gas, Steam

Meter	Description *e.g.: Basement, Parking Garage* *(25 character max.)*	Pulse or REED meter? *(if you do not know, take a pictures of your meter face and email to: orderfulfillment@buddy.com)*	Approximate location	Power Outlet Available
1		◯ Pulse ◯ REED		◯ Yes ◯ No
2		◯ Pulse ◯ REED		◯ Yes ◯ No
3		◯ Pulse ◯ REED		◯ Yes ◯ No
4		◯ Pulse ◯ REED		◯ Yes ◯ No

What is the diameter or the pipe you are metering?	MORE DETAILS:
How far apart are the meter(s) listed above from each other? ◯ 0-50 ft ◯ 50-100 ft ◯ 150 ft+	MORE DETAILS:
Are there any existing signal blockers such thick concrete walls, metal surfaces, or any other condition that may block a cellular signal between the meters? ◯ Yes* ◯ No *If yes, please use the space on the right to describe condition.	MORE DETAILS:
How far apart are the meter(s) listed above from the electrical panel? ◯ 0-50 ft ◯ 50-100 ft ◯ 150 ft+	MORE DETAILS:

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Temperature and Humidity

Sense	Description *e.g.: Lobby Climate, Copy Room Temp.* *(25 character max.)*	Location	Distance from nearest Buddy Ohm
1			◯ 0-50 ft ◯ 50-100 ft ◯ 150 ft+
2			◯ 0-50 ft ◯ 50-100 ft ◯ 150 ft+
3			◯ 0-50 ft ◯ 50-100 ft ◯ 150 ft+
4			◯ 0-50 ft ◯ 50-100 ft ◯ 150 ft+
5			◯ 0-50 ft ◯ 50-100 ft ◯ 150 ft+
6			◯ 0-50 ft ◯ 50-100 ft ◯ 150 ft+
7			◯ 0-50 ft ◯ 50-100 ft ◯ 150 ft+
8			◯ 0-50 ft ◯ 50-100 ft ◯ 150 ft+

OTHER NOTES:

Are there any existing signal blockers such thick concrete walls, metal surfaces, or any other condition that may block a cellular signal between the temperature and humidity sensors? ◯ Yes* ◯ No *If yes, please use the space on the right to describe condition.	MORE DETAILS:
How far are the temperature spaces listed above from the electrical panel? ◯ 0-50 ft ◯ 50-100 ft ◯ 150 ft+	MORE DETAILS:

Ohm View Dashboard (Digital Signage Controller)

What is the WiFi network name, user name and password?	NETWORK NAME:	USER NAME:	PASSWORD:

Submit Form