

THE I.P.E.[®]

Electromagnetic Polarity Inverter



Discreet,
lightweight
and compact



The I.P.E.[®] system works by **emitting audio frequencies at a very low level**. These pose no risk to health, and do not exceed those from common domestic appliances such as washing machines, hair dryers, refrigerators, electric ovens and microwaves.

ENERGY CONSUMPTION

The **I.P.E.[®] device must stay plugged in at all times**. However, energy consumption is very low at 0.75W, costing on average £15 per year. All I.P.E.[®] and I.P.E.[®] Pro+ models are supplied with a 12V, 1.5A mains adaptor, except the I.P.E.[®] Low 28 which comes with a 4.5V, 0.25A adaptor. Installation is quick and easy, and no specialist equipment is required.

 DC supply



Please recycle with electrical waste

GUARANTEE

The I.P.E.[®] operates at a very low frequency which is transmitted to all solid materials within the home. The device comes with a 30-year **manufacturer's guarantee**, while the mains adaptor is guaranteed for 2 years.

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 www.bfl-international.com

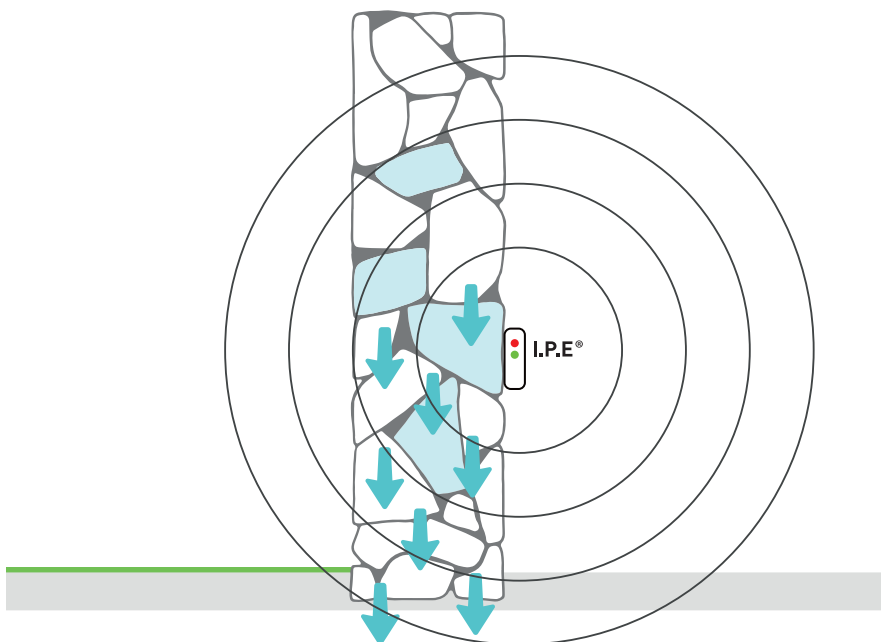
GENERAL ADVICE

To perform at its best, the device must be plugged in **continuously**. The I.P.E.® is designed to operate indoors. Never install more than one I.P.E.® device in the same building. The device should not be exposed to heat, either from your home heating system or from the sun. Do not use at altitudes of over **2,000 m**. Ensure the plug is accessible at all times. To clean: wipe with a soft, dry cloth.

POSITIONING YOUR DEVICE

Ensure the device is positioned so that the furthest walls and damp areas are within range. It is important to mount it on a **load-bearing wall**. We recommend you place your I.P.E.® in a relatively central position in your home, no more than 1.7m away from an electric socket, and with no switchboards, metal tubes, pipes, beams or safes within 30cm.

It is essential that the back of the device remains in contact with a **load-bearing wall** at all times. DO not install over intermediate layers such as wood, plasterboard ceramic tiles, hollow partition walls or screens, expanded polystyrene, plastic laminate or plaster over 3mm thick. Where these are present, we recommend you look for another site for your device. The device can also be positioned on the floor in direct contact with the slab, where it will not cause an obstruction. The I.P.E.® Pro+ should be installed on a damp load-bearing wall, where it will give a more reliable reading of changing moisture levels.



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INSTALLATION

The device is supplied with a separate mains adaptor. Wall plugs and screws are also included.

- You will need a drill with a no. 5 or 6 bit to install the I.P.E®, or a no. 7 drill bit for the I.P.E® Pro+. Drill holes to match the distance between the 2 holes on the back of the device, at a height of 35 to 65cm from the ground. The unit must not be more than 1 metre above floor level.
- Always use the wall plugs and screws supplied to fix the unit to a load-bearing wall.

The I.P.E® is supplied with two L-shaped screws, which must be positioned 10cm apart. Fix the unit to the wall with the adaptor port and LED indicators on the right hand side. Plug the adaptor into a nearby power socket and connect the jack to the port on the side of the I.P.E® unit. **The green LED will light up slightly, indicating the system is operational. The red LED shows the device is switched on.**

I.P.E® PRO+ SMARTPHONE APP



Download the “**Rising Damp**” App from Google Play or the App Store. You must be no further than 10 metres from the device for Bluetooth to detect the connection and provide a reading allowing you to monitor changing moisture levels. The app will save your readings every time you connect.

MONITORING PROGRESS

We recommend you check from time to time that both LEDs are lit. If they are not, please contact your distributor. Typically, your walls should be noticeably dryer after 4 months. However, please check that the drying process is complete before starting any renovation work.



As the walls dry out, you may notice white stains appearing. These are residues of salts dissolved in the water, and can remain on the walls even after they dry. They can prevent paint and mortar from adhering to your wall, so we recommend removing them, either by rubbing, scraping or chemical means, before beginning renovation work. Always use a lime-type mortar and high permeability paint, as your walls must be allowed to breathe.

SPECIFICATIONS

BFL® International distributes **13 models of devices with different range of actions.**

Model	Area	Dimensions	Weight
I.P.E® 12	100m²	28 x 20 x 5 cm	1 kg
I.P.E® 16	200m²	28 x 20 x 5 cm	1.1 kg
I.P.E® 22	300m²	28 x 20 x 5 cm	1.2 kg
I.P.E® 32	500m²	28 x 20 x 5 cm	1.3 kg
I.P.E® 46	1,500m²	28 x 20 x 5 cm	1.9 kg
I.P.E® 62	2,500m²	28 x 20 x 5 cm	2.2 kg

Model	Area	Dimensions	Weight
I.P.E® Pro+100	100m²	28 x 20 x 5 cm	1.1 kg
I.P.E® Pro+150	150m²	28 x 20 x 5 cm	1.2 kg
I.P.E® Pro+300	300m²	28 x 20 x 5 cm	1.3 kg
I.P.E® Pro+450	450m²	28 x 20 x 5 cm	1.4 kg
I.P.E® Pro+1250	1,250m²	28 x 20 x 5 cm	1.9 kg
I.P.E® Pro+2500	2,500m²	28 x 20 x 5 cm	2.1 kg

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