



# Where to Install the fidbox

## Fidbox Electronic Monitoring System

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Safe from the ground up.



# Overview

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Generally one Fidbox is required for every 50m<sup>2</sup> of flooring that is being installed in a project. The Fidbox should be installed in a position so that it is not under fitted furniture or carpets. This basic rule should then be adjusted for:

- Site-specific issues
  - room size and configuration;
  - heating systems layout;
- Risk assessment considerations
  - Is the property and its heating/cooling, or user likely to create extremes of climatic conditions?
  - Are areas of the property likely to have specific challenges? Eg Basements; Attics
  - Is the property likely to be unoccupied for long periods



# Overview

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1. Generally, 1 Fidbox for each 50 m<sup>2</sup> of flooring
2. Do not install under carpets, rugs, or fitted furniture
3. At least 1 Fidbox unit to be installed on each level of a multi-story house.
4. The Fidbox should always be installed in the most frequented areas i.e. living room.
5. Multiple heating circuits in a single large room should have 1 Fidbox installed for each heating circuit.
6. Special attention should be given to risky subfloors, for example where they are in contact with the earth or where there is a basement underneath the floor.
7. Fidboxes should be installed in living areas such as in an attic where heat may accumulate.
8. Consider installing Fidboxes where there are special structures in the subfloor or in the building construction which may cause heat or humidity. For example, large quantities of heat pipes running down a corridor from a heating manifold



# Installation Examples

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1. Number of Fidbox units required in a project
  - 1.1 **Apartment up to 50 m<sup>2</sup> in size** with a single or divided into several smaller rooms, min. 1 Fidbox unit, preferably placed in the busiest area, such as in the living room.
  - 1.2 **Apartments greater than 50m<sup>2</sup> in size**, distribute fidboxes across property at a rate of 1 Fidbox per 50m<sup>2</sup> of flooring choosing the largest rooms and highest risk locations.
  - 1.3 **Multi-level property greater than 50m<sup>2</sup> in size**, distribute fidboxes across property at a rate of 1 Fidbox per 50m<sup>2</sup> of flooring choosing the largest rooms and highest risk locations. Ensure at least 1 Fidbox on each level.
    - 1.3.1 **Additional consideration of installation should be given to:**
      - each heating circuit for underfloor heating requires at least 1 fidbox
      - beware contact to the ground with increased expectations on humidity
      - examine the possibilities of strong heat development in an attic
      - identify projects with strong climatic fluctuations
2. Number of fidbox units required in a project
  - 2.1 **Office rooms / Hotel projects/ Residential projects etc.**

The planning of large projects with many rooms with different purposes and demands i.e. Restaurant, Wellness, Reception, Hotel rooms, Conference rooms, living areas or offices should be planned on an individual basis.



# Installation Examples



Avoid Rugs,  
Carpets and  
furniture

Living Room / Dining Room/Kitchen



Maisonette Apartment

One fidbox per level



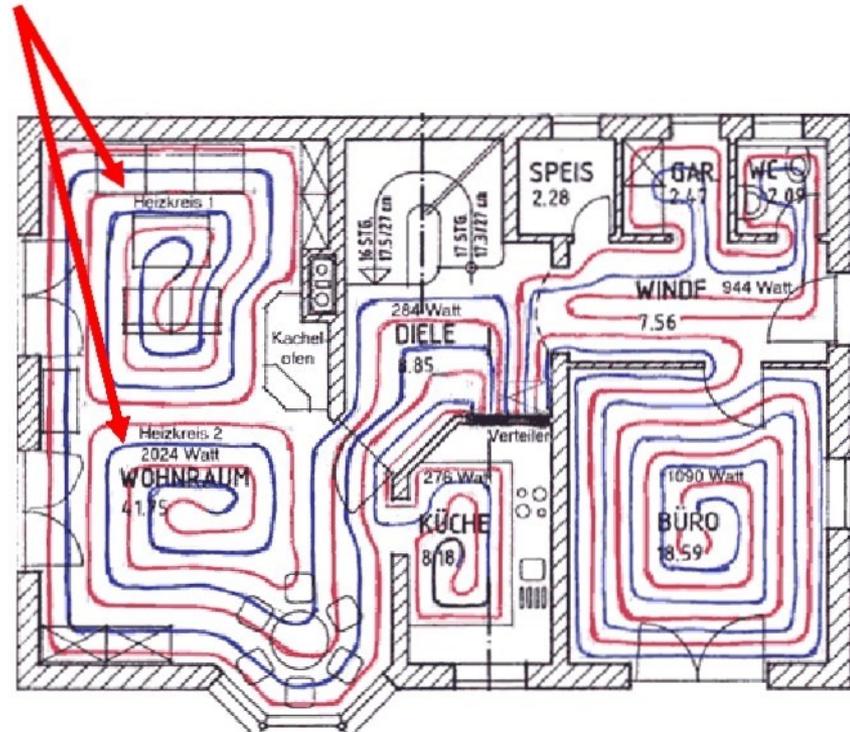
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# Multiple Heating Circuits in a Building

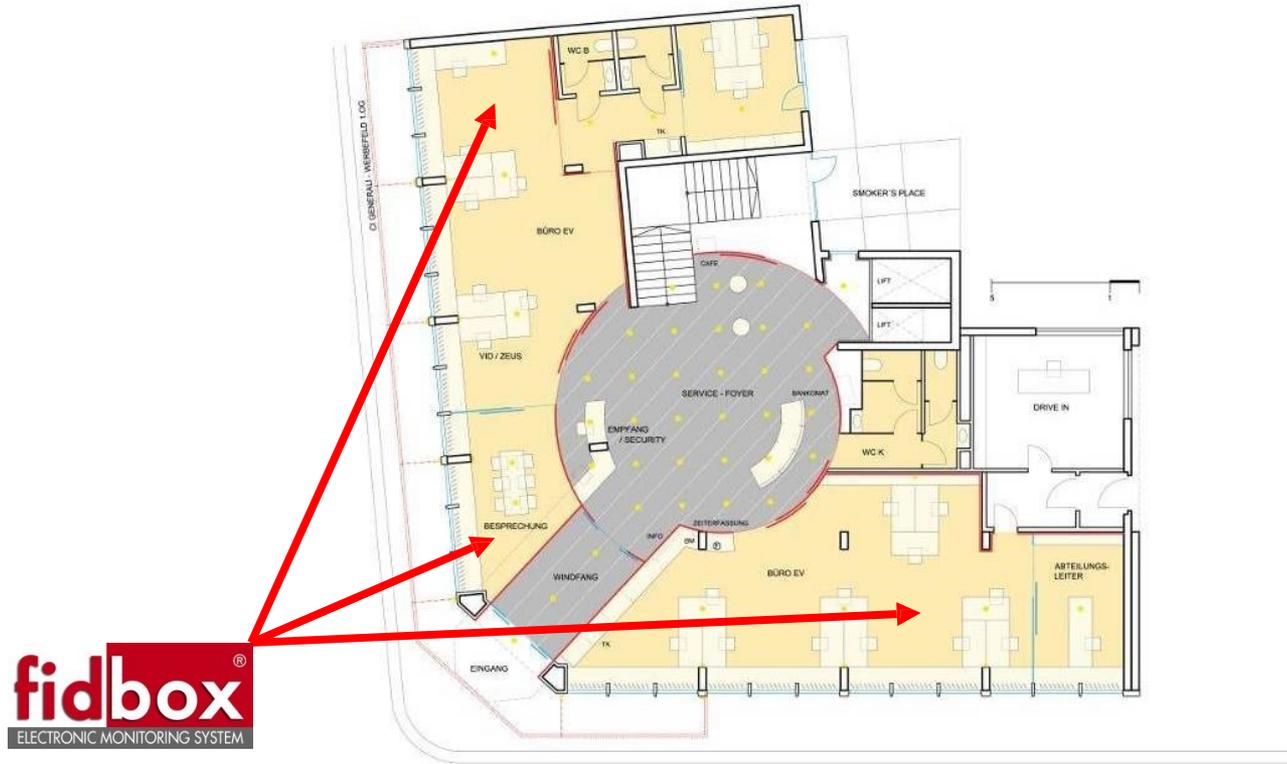
1 fidbox per heating circuit



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Von Grund auf sicher.

# Office Building



Strategic Placement

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The fidbox is best placed in a strategic location in a room with the intention of identifying the typical room climatic conditions. Recommendations for placement are available from FloorProtector, but determination of exact placement is the obligation of the involved installation company who carries the final responsibility.

We recommend that the Fidbox be installed where possible in the middle of the room in an area where no furniture or carpet is laid on top, as this can lead to a false measurement through heat congestion.

Pay close attention that no heat radiation from an open fire place or from exposure to direct sunlight reaches the location of the fidbox. This will negatively influence the measurements, unless this is what you wish to measure and to document.

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