



CASE STUDY

INGENIOUS WARMTH IN THE OFFICE

Office refurbishment project | Great Britain

THE EXISTING SITUATION.

As part of the agreement to take on a 10 year office lease, the new tenant required the landlord to refurbish and upgrade the offices. The old offices had a mix of electric convection heaters and night storage heaters which were expensive to run and ineffective at evenly warming the space. The tenant therefore specifically requested that a new efficient heating system was installed.

THE CHALLENGE.

As part of the renovation, the offices were completely rewired which presented the opportunity to move the location of the heaters. The tenant was “looking for a modern contemporary heating solution which was efficient to run, provided an improvement in thermal comfort and a reduction in running costs”. It was also important that the heating system was flexible, leaving the maximum amount of floor space available for desks and storage units.

THE SOLUTION.

The outdated electric heaters were replaced with LAVA® BASIC 2.0 and BASIC-DM infrared radiant heaters. Each room was treated as a separate heating zone and controlled by a separate programmable thermostat. The wall mounted heaters are controlled by hard-wired thermostats, whilst the ceiling mounted heaters by wireless thermostats to simplify the installation process. The result is an accurately controlled heating system with reduced running costs, improved thermal comfort and an even heat distribution in all rooms.

By working with the tenant and the electrical contractor, we specified an ideal solution which is cost-effective, easy to install and saves on future heating costs. The tenant now has a modern silent infrared heating system which provides a comfortable working environment and the landlord has a system with a long life (20 yrs +) which required no ongoing maintenance.

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THE SOLUTION IN DETAIL

The infrared heating system comprises of wall mounted LAVA® BASIC 2.0 panels and ceiling mounted LAVA® BASIC-DM panels which are ideally suited for full heating or zone heating. The wall mounted panels are controlled by hard-wired eTOUCH mini programmable thermostats which can switch up to 16 Amps or 3.8 Kw of heating - the maximum heating load in any one room is 3 Kw (3 No. x LAVA® BASIC 2.0 1000 W).

For ease of installation the ceiling mounted panels are controlled by wireless ET-12A programmable thermostats. Each room is configured as a separate heating zone to ensure accurate control and maximum comfort.

Wall mounted infrared panels were positioned at picture height giving an even heat distribution and maximising the amount of floor space available for desks and storage units.

PRODUCT BENEFITS LAVA® BASIC 2.0

- + Very high proportion of radiation
- + Heating-optimised infrared heating lacquer
- + Large infrared emitting surface
- + Pleasant room climate thanks to comfortable infrared radiant heat
- + Magnetic field & maintenance free
- + Plug & Play connection system for easy individual control

PRODUCT BENEFITS LAVA® BASIC-DM

- + Very high proportion of radiation
- + Large infrared emitting surface
- + Lightweight design for easy ceiling mounting
- + Pleasant room climate thanks to comfortable infrared radiant heat
- + Magnetic field & maintenance free

PRODUCT BENEFITS ETOUCH MINI

- + Self-explanatory and especially user-friendly
- + Exceptional design, black or white touchpad
- + Energy saving by ECO+ standard setting
- + 2.5cm TFT colour display with touchpad
- + Incl. two frames: high-gloss white and high-gloss graphite black



LAVA® BASIC



LAVA® BASIC-DM



eTOUCH MINI



ET-12A

COMPETANCE AND QUALITY FOR OVER 35 YEARS.



With ETHERMA you have a competent partner for your heating solutions with more than 35 years of experience. ETHERMA relies on constant innovation, highest product quality and modern design. We support you with a comprehensive service to ensure you use the most suitable product solution for your project. ETHERMA is an Austrian company with international reputation, producing high quality electrical heating systems for our clients, custom-made and manufactured right here.