

**30%
ENERGY
SAVINGS**



THERMAL PLUS BASEBOARDS HEATERS

We recently removed a 6 kW electric baseboard system and replaced it with a 2 kW Thermal Plus innovative system. Our customer is extremely happy with the heat system. "This is a great energy saving product and the future of electric baseboards"

*- Wes Langmaid,
President Langmaid Electric Limited*

BASEBOARDS

- Available in: 120 and 240 Vac 12, 24 and 48 Vdc
- Only 7-1/8" high 1-1/16" deep, with lengths up to 10 feet
- CSA Certification
- Baseboards range in power from 100 to 500 watts

NEW PRODUCT
AVAILABLE IN
2020

effectosg.com



Sleek and elegant hypoallergenic Thermal Plus Baseboard Heater

REDUCE ENERGY USE BY 30%

Thermal Plus Baseboard Heaters are the latest in highly efficient radiant hydronic wall radiators. Singular unit all aluminum construction makes for clean, quiet and comfortable heat on a room-by-room basis. The greatest benefit is dollar savings on heating bills. The patented technology, which allows unprecedented savings is so simple, in that it solely uses a highly efficient micro-heating element to heat a water and glycol mix in a closed-looped configuration, instead of the use of an electric resistance with fins that dissipates heat like traditional baseboards. The resultant is you can replace a 500 watts traditional baseboard by a 250 watts Thermal Plus Baseboard Heater. This means you reduce by half the usual power requirements of each baseboard. The new radiant baseboards run for a longer period of time than the traditional ones; however, they maintain the same level of heat and save you 30% in energy consumption.

COMPARING BASEBOARD HEATERS

Traditional

- 4 foot long / 500 watts / 120 volts / 4 amps / 1705 BTUs

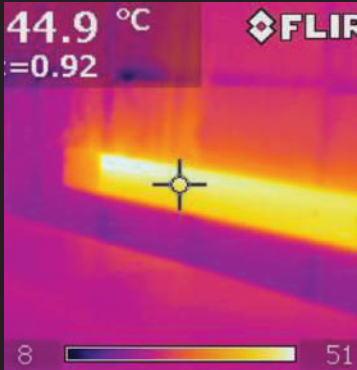
Thermal Plus

- 4 foot long / 250 watts / 120 volts / 2 amps / 3410 BTUs (1 W = 3.41 BTUs) (3.41 x 250 W = 852.4 BTUs / foot) (4 x 852.5 = 3410 BTUs)

**ENJOY THE SAME HEATING CAPABILITY
AND AN INCREASED LEVEL OF COMFORT,
WITH A PRODUCT MADE IN CANADA.**

FULLY BANKABLE PRODUCTS

Our Thermal Plus Baseboard Heaters are manufactured in Longueuil, Quebec by a renowned manufacturer of commercial and industrial refrigeration and ventilation systems. The company has over 50 years of manufacturing experience. They operate out of multiple facilities which allow for reliable and consistent supply of refrigeration and heating products, complemented by a responsive supply chain that maximizes value for our customers. It's our one-stop-shop for the fabrication of both standard and customized products, which form the backbone of our family of highly efficient heating products.



Infrared Test Photo

Heat your home with Thermal Plus Baseboard Heaters and save energy in comfort



TESTED AND PROVEN

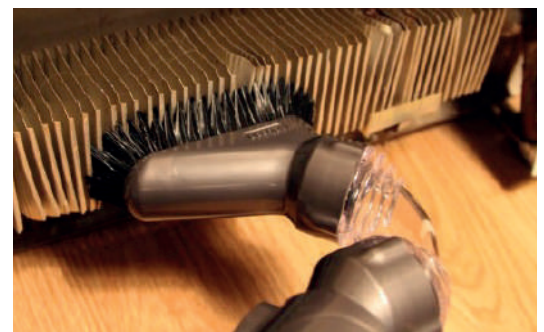
Thermal plus Baseboard Heaters were tested against traditional baseboard heaters. The details and results of one of the tests are outlined in this table:

THERMAL PLUS BASEBOARD HEATER	TRADITIONAL BASEBOARD HEATER
250 watts	500 watts
120 volts	129 volts
2.05 ampères	3.99 amps
200 square feet Control Room	200 square feet Control Room
Total running time: 54.72 hours	Total running time: 54.72 hours
Energy used: 13.68 kWh	Energy used: 27.36 kWh
Using: \$0.20/kWh X 13.68=\$2.67	Using: \$0.20/kWh X 27.36=\$5.47

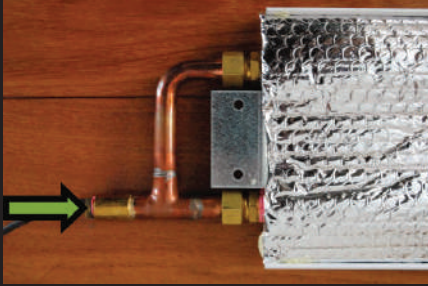
This test was conducted in a control room in Toronto, Ontario. Personnel did not have access to the control room, once the test was started. The test lasted 191 hours. The target room temperature was 72° Fahrenheit. The Thermal Plus Baseboard Heater attained the target temperature within 75 minutes while the traditional baseboard attained it in 56 minutes. Savings were calculated at 48.8%. While a multitude of tests were conducted in real life settings such as test houses, our proposed savings of 30% are conservative because the heat loss in each room varies. A room with more windows or less insulation would provide anticipated savings; however, a well insulated room would exceed advertised savings.

HIGHLY EFFICIENT AND COMFORTABLE RADIANT HEAT

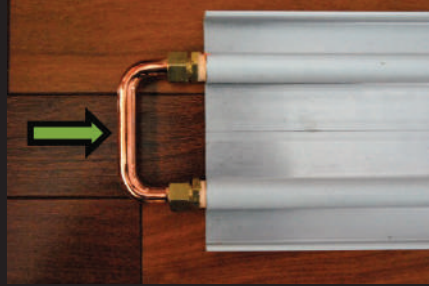
- Temperatures are maintained throughout the room, as a gentle radiant warmth.
- Floor and ceiling temperatures are more equalized, as the radiant heat travels towards the floor, radiates on room furniture and effects to keep the environment at a consistent temperature throughout.
- Thermal Plus Baseboard Heaters are mounted flush against the wall, making them fully enclosed hypoallergenic units, which provide healthy heat, with no air currents for dust and dust mites to travel on.
- Our hydronic radiant heat baseboards will obviously take longer to warm the room environment; however, the resultant temperature will more easily be sustained and you will save at least 30% on your electric bill for heating loads.
- No more dry heat environments and having to clean those traditional electric baseboards.



Micro-heating Element



Baseboard Copper U-bend End



Baseboard Back Views (with heat shield and without)



Thermal Plus Baseboard Heaters

**DIFFERENT
INCENTIVE
PROGRAMS
OFFERED**

DID YOU KNOW?

Education is Key

The inventor of the Thermal Plus Baseboard Heaters worked in collaboration with Durham and George Brown Colleges to establish joint learning programs related to new heating technologies. The proposed approach aims at developing sustainable long term infrastructure programs to help expand and develop new technologies, thereby facilitating the deployment, operation and maintenance of highly energy efficient products and systems.

Incentives

Depending on the province or territory, there are incentive programs that make Thermal Plus Baseboards Heaters an even more interesting investment. In Quebec, the Rénovert program applications can be made for heating oil, propane or natural gas system replacement projects. In Ontario, customers have access to incentives of \$ 0.10 per kWh or cubic meter of gas saved during the first year of operations and in some cases, up to 50% of the value of the project, subject to the approval of their electricity supplier.

**JUST CALL UPON US,
SO WE MAY HELP YOU WITH
INCENTIVE REQUESTS.**

ABOUT EFFECT OSG

The Effect Operational Sales and Systems Group Corporation (Effect OSG) actively markets and sells energy efficiency and renewable products that are second to none. Our sales channels are focused on regional markets where people and organizations are proactive in implementing smart energy technologies to meet energy efficiency and conservation goals, with significant environmental benefits and measurable savings. Our operating companies are led by individuals that are totally focused on execution of projects that reduce operating costs, improve the work space environment and contribute to increased productivity.

Our Group's energy efficient and renewables culture is driven by technologies that can really "Effect a change" in the way people use Energy, so as to improve the Economy and contribute in saving the Earth's precious resources. The energy technologies we promote and sell, in the broadest sense, allow our customers to do the same for less. It's all about using less energy to provide the same service or throughput.

FOR MORE INFORMATION, CONTACT:

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"A proud member of the Effect group of companies"