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A few months have gone by since the installation of our FLEXTHERM floor heating system and there is only one word that can describe this type of heating system: wonderful! The temperature in our home has never been so comfortable, and since we run a bed and breakfast out of our home, all of our guests can enjoy it as well!

Ninon Marty and Louise Gauthier
Grandes-Bergeronnes, QC

**Why FLEXTHERM?**

- We have over 20 years of experience in the manufacturing of floor heating systems.
- Our Customer Service is available from 8 a.m. to 8 p.m. ET, Monday through Friday, to answer your questions and offer you advice and estimates.
- Our products are entirely manufactured in our plant where quality controls are implemented throughout the production process.
- We offer a wide selection of products that are perfect for every project.
- We focus on innovation and we work to improve our existing products and develop new ones with the help of our in-house R&D department.
- We offer excellent warranties on all of our products as well as a repair service in case of a breakage.

"A few months have gone by since the installation of our FLEXTHERM floor heating system and there is only one word that can describe this type of heating system: wonderful! The temperature in our home has never been so comfortable, and since we run a bed and breakfast out of our home, all of our guests can enjoy it as well!"

Ninon Marty and Louise Gauthier
Grandes-Bergeronnes, QC
**SPREAD THE WARMTH**

FLEXTHERM drew inspiration from nature to design and develop its electric radiant heating technology. Just as the sun heats the surface of the Earth, rocks, buildings and anything else touched by its rays, FLEXTHERM systems release soft, enveloping heat that spreads to the elements of your living space.

Electric radiant heat involves heating solid masses rather than the air. After absorbing this energy, floors, walls, furniture and objects redistribute the heat throughout the room, creating a feeling of comfort far superior to that of traditional heating methods, such as baseboard heaters, wall radiators and forced-air systems.

By transferring the heat from warm to cold surfaces, floor heating systems deliver an even heat to the entire room, reducing unpleasant differences in temperature. The air feels warm, yet fresh and pleasant.

**Unparalleled versatility and features**

FLEXTHERM electric radiant heating systems are highly versatile. They are suited to any room (kitchen, bathroom, living room, bedroom, office, basement, solarium, garage, etc.) and any type of building: residential, commercial or institutional, a new construction or a renovation.

FLEXTHERM floor heating systems undergo rigorous quality control testing at every stage of production and have many indisputable qualities:

- they are energy efficient, delivering significant savings
- they have no electromagnetic field,* so there is no health risk for people young or old
- they do not overheat the air nor spread dust or germs
- they are compatible with most floor coverings: ceramic, natural stone, linoleum, floating floors, engineered wood and others
- they offer unlimited decorating possibilities – you can lay out a room however you want because there are no visible parts
- they require no maintenance

* Based on the installation instructions included in the FLEXTHERM installation guide, the recorded EMF measurement is considered insignificant (between 0.25 mG and 0.5 mG).

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**An energy efficient choice**

For FLEXTHERM, developing technologies and marketing products that respect people and the environment is essential. By developing systems that are increasingly effective, long-lasting, economical and healthy, FLEXTHERM has demonstrated that you can increase well-being and comfort, while preserving nature’s vitality.

Traditional heating systems heat the air, which rises naturally to the ceiling, where it accumulates. Because the warm air is drawn toward the ceiling, the floor remains cold. For the heat to be felt, the space needs to be heated to a higher temperature, which overheats the room and dries the air, increasing energy consumption in the process.

FLEXTHERM electric radiant heating systems take a different approach. They do not heat the air, but instead use the solid mass of the floor and furniture to transfer heat. This means that you can lower the temperature of a room by 5 °C and remain just as comfortable.*

You feel warm, even though the air is cool. Installing a FLEXTHERM floor heating system can reduce energy consumption by up to 28%.

* Source: ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)

**Source: ASHRAE – In rooms heated with the FLEXTHERM floor heating system.

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**Radiant heating**

- **20 °C** (68 °F)
- **18 °C** (64 °F)
- **22 °C** (72 °F)

**Forced air heating**

- **26 °C** (79 °F)
- **22 °C** (72 °F)
- **18 °C** (64 °F)

---

**28% energy economy**

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FLEXTHERM Catalogue 3
Outstanding flexibility

The Green Cable™ Surface 2W and 3W offers the ultimate in comfort no matter what the room or its dimensions, because it conforms to any shape. Designed for dry and wet environments, it is compatible with most floor coverings and is easy to install thanks to the Universal Snap-in Gauges™. Its design does not require returning the cable to the thermostat and produces maximum heating power along its entire surface.

Green Cable Surface 2W

Optimizes the radiant heat and ensures that it spreads evenly over all installation surfaces and under all floor coverings due to its 5 cm or 7.6 cm (2 in or 3 in) spacing.

Green Cable Surface 3W

For larger rooms with natural stone or ceramic floors, whose plywood or concrete subfloor guarantees better heat conduction.

Benefits of the Green Cable Surface 2W or 3W

- Compatible with most floor coverings
- Fits all room shapes and sizes
- EMF-free (electromagnetic field)*
- Does not dry the air nor spread dust and germs
- Requires no maintenance
- Easy installation: no return to the thermostat
- Robust mechanical joint system
- Universal Snap-in Gauges
- Small diameter cable that reduces the quantity of mortar or self-leveling underlayment required for glazing
- Strong and reliable copolymer jacket
- Designed for installation in a wet environment (make sure that the installation complies with the local or regional electrical code)
- Manufactured entirely at the FLEXTHERM plant, with end-to-end quality control
- CSA approved (Canada and the US)
- 25 year limited warranty

* Based on the installation instructions included in the FLEXTHERM installation guide, the recorded EMF measurement is considered insignificant (between 0.25 mg and 0.5 mg).

** In rooms heated with the FLEXTHERM floor heating system.

Unique in its design and comfort

Green Cable Surface 2W or 3W consists of two twisted and paired heating elements, covered in copolymer. This innovation developed by FLEXTHERM uses ultra-resistant and high-performance components to provide you with complete comfort, peace of mind, a healthy environment and real energy savings.

“We have performed the installation of many FLEXTHERM floor heating systems in the past. We recently used the FLEXSnap system, which was amazing. It saved a tremendous amount of time and labor. What a great new system!”

Leo Lantz
Glen Allen, VA
System and installation recommendations suited to your needs

By starting from the centre and answering three simple questions, the diagram will guide you to the best heating system for your floor heating project.

As easy as 1, 2, 3!

This 2W and 3W diagram is designed to help you choose the right Green Cable™ Surface for your project.

1) Installation surface: On what surface will the heating cable be installed (plywood or concrete)?

2) Floor covering: What floor covering will you use for your project?

3) Type of room:
   - Entrance hall
   - Kitchen
   - Living room
   - Solarium
   - Bedroom
   - Bathroom
   - Basement

Recommended installation method: After you go through steps 1, 2 and 3, we will recommend installation methods.

Installation surface: The concrete slab must be insulated to avoid energy loss caused by a thermal mass under the influence of different elements.

Floor covering: Always check with the manufacturer whether a floor covering is compatible with floor heating systems.

* Solarium: Depending on your solarium’s insulation and your geographical location, a secondary heating system may be recommended for greater comfort.
Floor coverings
The type of floor covering also has an influence on the choice of system output. Output of 129 W/m² (12 W/ft²) is reserved for ceramic and natural stone; 86 W/m² (8 W/ft²) lets you choose almost any floor covering. See for yourself!

1. Wood structure
2. Concrete structure
3. FLEXTERM’s Green Cable Surface
4. Mortar or self-levelling cement
5. Adhesive
6. Floor covering

Customized comfort
A perfect fit for any surface, the Green Cable Surface 2W or 3W is available in a range of lengths and with an output of 120 volts or 240 volts. It is also available in 208 volts by special order. (Minimum quantity required.)

All kits include the cable, gauges, hot glue sticks and an installation guide.

Compatibility of the Green Cable Surface with installation surfaces and floor coverings

<table>
<thead>
<tr>
<th>Green Cable Surface 2W</th>
<th>Floor covering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation surface</td>
<td>Ceramic</td>
</tr>
<tr>
<td>---------------------------------------------</td>
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</tr>
<tr>
<td>Plywood</td>
<td></td>
</tr>
<tr>
<td>Smooth concrete¹</td>
<td></td>
</tr>
<tr>
<td>Concrete panels</td>
<td></td>
</tr>
<tr>
<td>Ceramic</td>
<td></td>
</tr>
<tr>
<td>Acoustic membrane</td>
<td></td>
</tr>
<tr>
<td>Anti-fracture membrane</td>
<td></td>
</tr>
<tr>
<td>Scratch coat</td>
<td></td>
</tr>
<tr>
<td>Mortar bed¹</td>
<td></td>
</tr>
</tbody>
</table>

1 The concrete slab (or mortar bed) must be insulated to avoid heat loss from below. FLEXTERM also recommends that all rooms supported by the concrete slab be equipped with a FLEXTERM floor heating system to avoid perimeter heat loss.

2 For floor coverings other than ceramic and natural stone, always check with the manufacturer whether its floor covering is compatible with floor heating systems.
## Green Cable Surface 3W

<table>
<thead>
<tr>
<th>Installation surface</th>
<th>Floor covering</th>
<th>Ceramic</th>
<th>Natural stone</th>
<th>Engineered wood(^2)</th>
<th>Vinyl(^2)</th>
<th>Floating floor(^2)</th>
<th>Linoleum(^2)</th>
<th>Parquet(^2)</th>
<th>Carpet(^2) (without rubber backing or carpet padding)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plywood</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smooth concrete(^1)</td>
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<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Concrete panels</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Ceramic</td>
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<td></td>
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<tr>
<td>Acoustic membrane</td>
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<td>Anti-fracture membrane</td>
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<tr>
<td>Scratch coat</td>
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<td></td>
<td></td>
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<tr>
<td>Mortar bed(^1)</td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) The concrete slab (or mortar bed) must be insulated to avoid heat loss from below. FLEXTHERM also recommends that all rooms supported by the concrete slab be equipped with a FLEXTHERM floor heating system to avoid perimeter heat loss.

\(^2\) For floor coverings other than ceramic and natural stone, always check with the manufacturer whether its floor covering is compatible with floor heating systems.

### Electrical characteristics

<table>
<thead>
<tr>
<th></th>
<th>Green Cable Surface 2W</th>
<th>Green Cable Surface 3W</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard voltage</strong></td>
<td>120 and 240 volts (208 volts available upon request)</td>
<td>120 and 240 volts (208 volts available upon request)</td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td>6.6 W/linear m (2 W/linear ft)</td>
<td>9.9 W/linear m (3 W/linear ft)</td>
</tr>
<tr>
<td><strong>Output by type of installation</strong></td>
<td>5 cm (2 in) spacing – 129 W/m(^2) (12 W/ft(^2))</td>
<td>7.6 cm (3 in) spacing – 129 W/m(^2) (12 W/ft(^2))</td>
</tr>
<tr>
<td></td>
<td>7.6 cm (3 in) spacing – 86 W/m(^2) (8 W/ft(^2))</td>
<td>10 cm (4 in) spacing – 97 W/m(^2) (9 W/ft(^2))</td>
</tr>
<tr>
<td><strong>Connection to the thermostat</strong></td>
<td>Easy installation: a single cold lead is connected to the thermostat (return feed on the same cable)</td>
<td>Easy installation: a single cold lead is connected to the thermostat (return feed on the same cable)</td>
</tr>
<tr>
<td><strong>Cold lead</strong></td>
<td>3 m (10 ft) Two conductors and grounding</td>
<td>3 m (10 ft) Two conductors and grounding</td>
</tr>
<tr>
<td><strong>Certification</strong></td>
<td>CSA Canada: series type G and W space heating CSA US: series type C space heating Dry and wet environments</td>
<td>CSA Canada: series type G and W space heating CSA US: series type C space heating Dry and wet environments</td>
</tr>
<tr>
<td><strong>No significant electromagnetic field emission</strong></td>
<td>✅</td>
<td>✅</td>
</tr>
</tbody>
</table>

* Based on the installation instructions included in the FLEXTHERM installation guide, the recorded EMF measurement is considered insignificant (between 0.25 mG and 0.5 mG).
Comfort, squared

The Green Cable™ Mat is perfect for square or rectangular rooms with no obstacles. It consists of a 3W cable with 7.6 cm (3 in) spacing on a self-adhesive substrate. Green Cable Mat is designed for installation under ceramic and natural stone flooring and can be used as a room's main or secondary heat source.

Benefits of the Green Cable Mat

- Self-adhesive backing for easy installation
- Simplified installation: no return to the thermostat
- Solid mechanical joint for quick installation and durability
- Strong and reliable copolymer jacket
- Compatible with ceramic and natural stone coverings
- EMF-free (electromagnetic field)*
- Does not dry the air nor spread dust or germs
- No maintenance required
- CSA approved (Canada and the US)
- Designed for installation in a wet environment (make sure that the installation complies with the local or regional electrical code)
- Manufactured entirely at the FLEXThERM plant, with end-to-end quality control
- 25 year limited warranty

* Based on the installation instructions included in the FLEXThERM installation guide, the recorded EMF measurement is considered insignificant (between 0.25 mg and 0.5 mg).
** In rooms heated with a FLEXThERM floor heating system.

Floor coverings

The type of floor covering also has an influence on the choice of system output. Output of 129 W/m² (12 W/ft²) is reserved for ceramic and natural stone.

1. Wood structure
2. Concrete structure
3. FLEXThERM's Green Cable Mat
4. Mortar or self-levelling underlayment
5. Adhesive
6. Floor covering

Comfort that’s quick to install

Integrated into the Green Cable Mat, the 3W heating cable consists of two twisted and paired heating elements, covered in copolymer. This innovation developed by FLEXThERM uses ultra-resistant and high-performance components to provide you with complete comfort, peace of mind, a healthy environment and real energy savings.

“I placed a call to FLEXThERM Customer Service and talked to a representative, who was fantastic and stayed on the phone to guide me through diagnostics for several minutes. Such good customer service is rare these days. My kitchen is warm and my wife is very happy.”

Howard Sklivas
Ottawa, ON
“My wife and I were just discussing how absolutely amazing it is to have a warm floor and the room be so comfortable. No furnace coming on and off, no significant room temperature variances, the tile floor is just warm and comfortable. I had no idea how great a radiant electric floor would be.”

Brent McMullin
Surrey, BC
Loose cable that can be installed easily thanks to a quick and uniform anchoring system

- 5W cable producing 10 or 15W/ft²

- Bright colored product makes it easier to install on the construction site

- 20 year limited warranty

**EBMBEDDING IN CONCRETE**

**Concrete results**

Installed in the concrete slab or under a concrete topping during construction, the Green Cable Concrete and Concrete Mat Xpress provide the ultimate in uniform comfort and generate major energy savings. These products use the concrete slab to spread heat more evenly for a longer period of time, with reduced heat loss, making them ideal for garages, basements, commercial buildings, condos and much more.

**NEW!**

**CONCRETE MAT XPRESS™**

- Can be easily installed on the insulation of the concrete slab, or on a concrete or plywood subfloor with a 1.5 inch topping

- 6W cable on a self-adhesive substrate with a 15 cm (6 in) spacing, producing 12W/ft²

- 20 year limited warranty

**Why embed a system in concrete?**

- Perfect for construction projects in basements, garages, commercial buildings, etc.

- Increased thermal mass effect and heat is spread more evenly due to the exceptional conductivity of the concrete mass

- No maintenance cost

- Does not increase the floor height

- Compatible with most floor coverings

- Designed specifically to be embedded in concrete

- Ideal alternative to hydronic systems

- Easy installation: no return to the thermostat

- EMF-free (electromagnetic field)*

- Designed for installation in a wet environment (make sure that the installation complies with the local or regional electrical code)

* Based on the installation instructions included in the FLEXTHERM installation guide, the recorded EMF measurement is considered insignificant (between 0.25 mG and 0.5 mG).

** In rooms heated with a FLEXTHERM floor heating system.
Invisible, but nothing to hide
The Green Cable Concrete and the Concrete Mat Xpress are available in a wide range of lengths for maximum coverage. The Green Cable Concrete includes adhesive tape to secure the heading cable to the wire mesh in the slab while the Concrete Mat Xpress includes plastic anchors to secure the mat to the rigid insulation.

Steadfast, lasting comfort
The heating cable consists of two paired and twisted heating elements covered in copolymer. This innovation developed by FLEXTERM ensures that the cable remains free of electromagnetic fields.* The cable is built with ultra-resistant and high performance components to provide you with complete comfort, peace of mind, a healthy environment and real energy savings.

Floor coverings
The type of floor covering also has an influence on the choice of system output. Output of 161 W/m² (15 W/ft²) is reserved for ceramic and natural stone; 108 W/m² (10 W/ft²) and 129 W/m² (12 W/ft²) lets you choose almost any floor covering. Refer to the table below for all the details.

Compatibility of the Green Cable Concrete and Concrete Mat Xpress with floor coverings

<table>
<thead>
<tr>
<th>Floor covering</th>
<th>Spacing/Power</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Green Cable Concrete</td>
<td>161 W/m² (15 W/ft²)</td>
</tr>
<tr>
<td>Ceramic</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Natural stone</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Engineered wood</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vinyl</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Floating floor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linoleum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parquet</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Carpet</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* For floor coverings other than ceramic and natural stone, always check with the manufacturer of the floor covering first, to make sure its product is compatible with FLEXTERM floor heating systems.

Applications

- Concrete slab: Green Cable Concrete (cable secured to the wire mesh in the slab), Concrete Mat Xpress (secured to the rigid insulation under the slab)
- Plywood or concrete subfloor: Concrete Mat Xpress

“I have been in the tile and stone trade for 28 years now. Back in the day, in-floor heat was predominately hydronic, which meant wire mesh and floating mud floors. It was costly, labor intense and physically demanding. FLEXTERM is the answer! Lay out the installation gauges, string the wire and continue to skim coat, or start the floor installation. It’s almost too easy and time-saving!”

Jim Stearle
Milwaukee, WI
Installation at the speed of FLEXTHERM!

The revolutionary FLEXSnap™ installation system is the perfect complement to the Green Cable™ Surface. Whether you choose the individual mesh or the preassembled FLEXSnap-R roll made of mesh, all it takes is a few simple steps to install the floor heating system and lay the ceramic tiles. With FLEXSnap, it only takes one day to install a floor heating system and tiles in a room. It’s a lot faster and more economical than the traditional method!

1. Lay the FLEXSnap mesh or unroll the FLEXSnap-R and secure to a plywood or oriented strand board (OSB) subfloor or to concrete.

2. Install the Green Cable Surface with the FLEXGlide tool.

3. Glaze and lay the tiles in just one step!

Benefits of the FLEXSnap system

- Single-day installation (grout is the only thing left to do)
- No need to double the plywood in the floor’s structure (tested by the Tile Council of North America and rated “Extra Heavy”)
- The FLEXGlide tool lets you install the heating cable while standing
- The cable is protected throughout the installation from damage caused by heavy objects
- More uniform surface heat due to a larger thermal mass
- Reinforces the floor’s structure, thereby diminishing perceived vibrations
- Allows for a more uniform transition between a tiled, heated floor and an adjacent natural hardwood floor
- 5 year limited warranty

Characteristics

- 31.4 cm x 31.4 cm (12 3/8 in x 12 3/8 in) mesh with an 8 mm (5/16 in) thickness or the 0.9 m x 15.2 m (3 ft x 50 ft) preassembled FLEXSnap-R roll made of mesh
- Socket and spigot ends for easy assembly
- Holes to anchor the mesh to the floor
- Grooves spaced at 2.5 cm (1 in) intervals for inserting the cable according to the type of installation

The FLEXSnap system adapts to all floors, no matter what their size. The mesh is easy to cut with a utility knife and conforms to the contours of the room, and any surface uncovered by the FLEXSnap-R can be filled with individual FLEXSnap tiles.

“FLEXTHERM’s FLEXSnap system was a pleasure to work with. More importantly, your support staff was simply outstanding! Thanks for all the help.”

Andre Leblanc
North Bay, ON

FLOOR COVERINGS

1. Structure (either plywood, OSB or concrete)
2. FLEXTHERM’s FLEXSnap mesh or roll of FLEXSnap-R and Green Cable Surface
3. Mortar or self-levelling underlayment
4. Adhesive
5. Floor covering

WARRANTY

5 YEARS

Limited

5

4

2

1
**Easy. Quick. Customized.**

Thanks to the new *InnoFLEX*, installing a floor heating system can now be counted in minutes! FLEXTHERM’S FLEXSnap installation system and Green Cable *Surface* come together as *InnoFLEX*, the brand new floor heating system tailored to fit any room and the objects in it perfectly. In addition to offering all of the advantages of FLEXSnap and the Green Cable *Surface*, *InnoFLEX* makes every installation extremely fast and hassle-free since the heated cable is already inserted in the mesh!

You need a hand to draw your floor plan? Our Customer Service team will be happy to help you! Call us at 1 800 353-9843 or send an email at client@flextherm.com

A revolutionary system

FLEXSnap, FLEXSnap-R and *InnoFLEX* are compatible with installations:

1. on a plywood or OSB subfloor sitting on joists spaced no more than 16 inches on center, or on concrete
2. that use polymer-modified mortar or self-levelling underlayment, recommended for use with the FLEXSnap system both by mortar or self-levelling underlayment manufacturers and FLEXTHERM
3. with ceramic floor coverings

Submit a plan of the room and confirm your order through your distributor.

Shipped within 5 business days, simply unroll and secure to a plywood or oriented strand board (OSB) subfloor or to concrete.

Glaze and lay the tiles in one step!

“I had your FLEXTHERM floor heating system installed in 3 rooms in my new townhouse and it is absolutely the best addition I could have made to my home. The system is fast, efficient, inexpensive to operate and easy to activate.”

**Tom Basinski**
Getzville, NY
Programmable electronic thermostat

Form, function and quality
It all starts with a sleek and modern design that fits into any décor. On first contact, you will find simple and intuitive programming capabilities. The thermostat is pre-programmed for a quick setup but should you wish to change these settings, the large backlit display and simple user interface will make programming a breeze. In operation, its advanced technology provides efficient energy management thanks to an adaptive function and it allows you to monitor energy consumption. FLEXTHERM’s electronic programmable thermostat makes it easy to enjoy total comfort.

Benefits of the programmable electronic thermostat
- Two extremely precise temperature sensors: one for the ground (probe) and the other for the ambient air
- Pre-programmed for quick setup
- Two modes: automatic (4 events) or manual
- Simple user interface and large backlit display for intuitive programming
- Adaptive function to determine when the system needs to activate to reach the desired temperature based on your specific environment
- Up to four temperature adjustments (events) can be programmed per day (5:2, 6:1 or 7:0)
- Energy monitoring feature provides data over 2 days, 30 days or 365 days
- Quick Set feature allows you to change programmed settings for the current event easily
- Screw terminals for safe and easy installation
- Protection against malfunction ensured by a built-in ground fault circuit interrupter (GFCI)
- Display modes: °C or °F, 24 h or 12 h
- 2 year limited warranty

Eco-tip
Automatically lowering the temperature of your home at night (when you are sleeping) generates substantial savings while helping you do your part for the environment.

Combine a programmable electronic thermostat with a floor heating system for major savings in money and energy. According to ENERGY STAR, using the programming function alone generates annual savings of around $180.

Lowering the temperature by 1 °C for an eight-hour period generates energy savings of 2%. For example, if you program the thermostat to lower the temperature by 5 °C when you are at work and during the night, you reduce your energy consumption by 20% (5 °C x 2% x 2 eight-hour periods) over those periods. Since the temperature is lower when you are not at home or while you sleep, you save energy and money without compromising on comfort.

General characteristics

| Temperature and time display | °C or °F, 24 h or 12 h |
| Temperature range | 5 °C to 40 °C (40 °F to 104 °F) |
| Floor limit range | 5 °C to 40 °C (40 °F to 104 °F) |
| Ambient temperature | 0 °C to 40 °C (32 °F to 104 °F) |

Temperature control options

| Floor: floor temperature only |
| Room: ambient temperature is controlled (not recommended with floor heating systems) |
| Regulator: sensor not used, operates during desired % of 30 minute periods (not recommended with floor heating systems) |
| Room limit: ambient temperature is controlled according to the settings selected for the floor |

Sensor precision
± 0.4 °C (0.7 °F)

Floor probe
Length of connecting wire: 3 m (10 ft)

Memory
No battery required. An internal circuit retains the time and date during power outages that last less than two hours. Programming is saved in the memory and is not affected by outages.

Certifications
Class A GFCI tested under UL standard no. 943 4th ed. & CSA C22.2 no. 144.1-06
Thermostat tested under UL standard no. 873 & CSA C22.2 no. 24

Warranty
2 year limited

Electrical characteristics

| Product no. | FLP35-120/240GA |
| Supply | 120/208/240 VAC, 50/60 Hz |
| Resistive load | 15 A |
| Capacity | 1,800 W at 120 V, 3,600 W at 240 V |
| Connection | 2-pole relay |
| GFCI | Class A (5 mA) |
| Multiple circuit connection | Expansion units available |
Non-programmable electronic thermostat

Sleek, no fuss

Specifically designed to control floor heating systems, the FLEXTHERM non-programmable electronic thermostat has a probe that takes a precise reading of the floor temperature and two modes of operation: manual (to keep the temperature constant) and off (to deactivate the system when the heating period is over).

Benefits of the non-programmable electronic thermostat

- Probe placed in the floor detects the temperature at floor level
- Protection against malfunction ensured by a built-in ground fault circuit interrupter (GFCI)
- Screw terminals for safe and easy installation
- Display modes: °C or °F
- 2 year limited warranty

“Your product has won me over. Warm feet on ceramic, which is normally cold, is such a great feeling!”

Nathalie Lalonde
Gatineau, QC

General characteristics

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual temperature scale</td>
<td>°C or °F</td>
</tr>
<tr>
<td>Temperature range</td>
<td>5 °C to 40 °C (40 °F to 104 °F) Ambient temperature: 0 °C to 40 °C (32 °F to 104 °F)</td>
</tr>
<tr>
<td>Temperature control options</td>
<td>Floor: floor temperature only Regulator: sensor not used, operates during desired % of 30 minute periods (not recommended with floor heating systems)</td>
</tr>
<tr>
<td>Sensor precision</td>
<td>± 0.4 °C (0.7 °F)</td>
</tr>
<tr>
<td>Floor probe</td>
<td>Length of connecting wire: 3 m (10 ft)</td>
</tr>
<tr>
<td>Memory</td>
<td>No battery required. Temperature setting is saved in the memory and is not affected by outages.</td>
</tr>
<tr>
<td>Certifications</td>
<td>Class A GFCI tested under UL standard no. 943 4th ed. &amp; CSA C22.2 no. 144.1-06 Thermostat tested under UL standard no. 873 &amp; CSA C22.2 no. 24</td>
</tr>
<tr>
<td>Warranty</td>
<td>2 year limited</td>
</tr>
</tbody>
</table>

Electrical characteristics

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product no.</td>
<td>FLK30-120/240GA</td>
</tr>
<tr>
<td>Supply</td>
<td>120/208/240 VAC, 50/60 Hz</td>
</tr>
<tr>
<td>Resistive load</td>
<td>15 A</td>
</tr>
<tr>
<td>Capacity</td>
<td>1,800 W at 120 V, 3,600 W at 240 V</td>
</tr>
<tr>
<td>Connection</td>
<td>2-pole relay</td>
</tr>
<tr>
<td>GFCI</td>
<td>Class A (5 mA)</td>
</tr>
<tr>
<td>Multiple circuit connection</td>
<td>Expansion units available</td>
</tr>
</tbody>
</table>

“Your product has won me over. Warm feet on ceramic, which is normally cold, is such a great feeling!”

Nathalie Lalonde
Gatineau, QC
Expansion units

Think big!

Expansion units make it easier to cover large rooms that require a system exceeding 15 A. To avoid using several thermostats or painstakingly connecting relays and circuit breakers, you can install expansion units. Each of the expansion units will control its section of the floor according to the directions received from the thermostat.

Benefits of the expansion units

- Simple daisy chain installation
- The thermostat can control an infinite number of expansion units
- Compatible with both the programmable and non-programmable thermostats
- Each unit supports a load of 15 A (the number of units required depends on the installation load)
- System can operate at different voltages (120 V, 208 V or 240 V)
- On/Off switch allows independent control of each floor heating section controlled by an expansion unit
- Protection against malfunction ensured by a ground fault circuit interrupter (GFCI)
- Screw terminals for safe and easy installation
- 2 year limited warranty

Electrical characteristics

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistive load</td>
<td>15 A</td>
</tr>
<tr>
<td>Capacity</td>
<td>1,800 W at 120 V</td>
</tr>
<tr>
<td></td>
<td>3,600 W at 240 V</td>
</tr>
<tr>
<td>Connection</td>
<td>2-pole relay</td>
</tr>
<tr>
<td>GFCI</td>
<td>Class A</td>
</tr>
</tbody>
</table>

A heated floor minus the back pain!

The FLEXGlide™ was specially designed for use with the FLEXSnap installation system, which allows you to install a floor heating system in one room in a single day. The FLEXGlide is easy to use: just screw it into the end of a standard wooden handle and insert the Green Cable Surface to install the cable while standing.

The FLEXGlide’s wheel is perfectly matched with the FLEXSnap mesh to ensure an easy and uniform installation of the heating cable, even when changing directions or going around obstacles.
Repair kits

Accidents can happen so fast! Here are a few kits to repair a cable damaged during installation.

<table>
<thead>
<tr>
<th>Repair kits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product No.</strong></td>
<td><strong>Cable Type</strong></td>
</tr>
<tr>
<td>FSK-03</td>
<td>Green Cable <em>Surface</em></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Econo Yellow Cable (cable no longer available)</td>
</tr>
<tr>
<td>FSK-05</td>
<td>Green Cable <em>Concrete</em></td>
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<td></td>
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</tr>
<tr>
<td>FSK-01</td>
<td>Pro Series Cable</td>
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</tbody>
</table>

Other accessories

FLEXTHERM offers the following accessories to help you install its floor heating systems:

<table>
<thead>
<tr>
<th>Other accessories</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product No.</strong></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td>FLS1240</td>
<td>Thermal probe, 15 ft of wire (for thermostats)</td>
</tr>
<tr>
<td>FLS1250</td>
<td>Conduit and thermal probe, 15 ft of wire for concrete burial</td>
</tr>
<tr>
<td>GSGO-C</td>
<td>Universal Snap-in Gauges™, 300 units/box</td>
</tr>
<tr>
<td>FLG25</td>
<td>Hot glue sticks, 25 units/package</td>
</tr>
<tr>
<td>FLGH25</td>
<td>Hot glue sticks for concrete, 25 units/package</td>
</tr>
</tbody>
</table>