

**Floor warming system**

Raychem® QuickNet™ is an electric floor warming system for installation directly under ceramic tiles or natural stone that provides ideal comfort heating in your bathroom, kitchen, entryway, or other tiled areas. QuickNet's compatibility with all standard sub flooring materials, and its low 3/16 inch (3 mm) profile, make it ideal for renovation.

The QuickNet floor warming system includes a blue heating cable woven into an adhesive-backed red fiberglass mesh that allows for simple roll-out installation without worrying about heating cable spacing.

The floor warming mats are pre-terminated for use with 120 V and 240 V, and are available in various lengths of 20-inch widths.

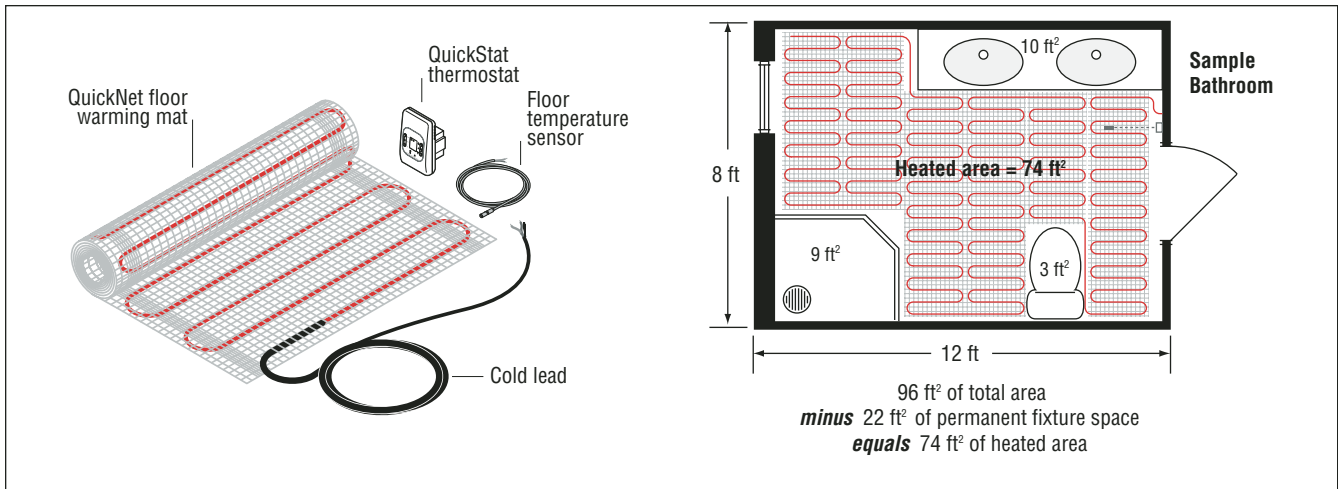
The QuickNet mats emit no measurable electromagnetic fields due to the shielded dual conductor design. This dual conductor cable requires only one cold lead connection making it easy to layout and install. The cold lead is a black non-heating cord that runs in the wall and connects the system to the thermostat.

The QuickStat™ thermostat includes built-in GFCI protection to prevent electrical shock as required by national electrical codes. It's adaptive function automatically switches

the system on to ensure a comfortable floor temperature when you want it. Depending upon the specifics of your installation, the QuickNet floor warming system can maintain floor temperatures up to 85°F or more.

Various sizes of floor warming mats are designed to fit the heated area of any floor. The heated area is the area of the floor where there are no permanent fixtures or furniture such as showers, toilets, vanities or cabinets.

Tyco Thermal Controls offers a 15-year limited warranty against manufacturing defects. For complete warranty details, visit [www.tycothermal.com](http://www.tycothermal.com).



**Kit Contents**

- 1 QuickNet floor warming mat (with 10-foot cold lead)
- 1 QuickStat thermostat\*
- 1 Floor temperature sensor (10-foot length)\*
- Installation Instructions

\*240 V Extension Kits are available to add on to 240 V QuickNet to accommodate floors over 100 ft². The Extension Kits do not include a thermostat or floor sensor. Up to 200 ft² of 240 V product may be used with one thermostat.

**Approvals**



**Mat Specifications**

Operating voltage	120 V and 240 V
Power output	12 W/ft <sup>2</sup> (130 W/m <sup>2</sup> ) ±10%
Minimum bending radius	1.25 in (30 mm)
Minimum cable spacing	3 in (80 mm)
Maximum ambient temperature	85°F (30°C)
Minimum installation temperature	40°F (5°C)
Heating cable	2-wire, grounded, fluoropolymer insulating jackets
Cold lead	2-wire 16 AWG plus ground braid; 10 ft (3 m) length

**Thermostat Specifications**

Functions	On/Off control, digital display, 7-day programmable, Class A, 5 mA GFCI
Supply Voltage	120/240 V ±15%, 50/60 Hz
Maximum switching current	16 Amp
Temperature control range	40 to 104°F (5 to 40°C)
Ambient range	32 to 104°F (0 to 40°C)
Floor temperature sensor	2-wire, 10-foot lead wire

**Ordering Details**

Select the QuickNet floor warming mat that is no larger than the heated area. For example, if your heated area is 74 ft<sup>2</sup>, select the 70 ft<sup>2</sup> mat.

For heated areas greater than 100 ft<sup>2</sup>, select a 240 V QuickNet product and an Extension Kit. Up to 200 ft<sup>2</sup> of 240 V product may be used with one thermostat.

Catalog Number	Heated Area ft <sup>2</sup> (m <sup>2</sup> )	Mat Dimensions	Output Watts
<b>120 V QuickNet with thermostat</b>			
QUICKNET-010-1	10 (0.9)	20 in x 6.2 ft	120
QUICKNET-020-1	20 (1.9)	20 in x 12.1 ft	240
QUICKNET-030-1	30 (2.8)	20 in x 18.4 ft	360
QUICKNET-040-1	40 (3.7)	20 in x 24.3 ft	480
QUICKNET-050-1	50 (4.6)	20 in x 30.5 ft	600
QUICKNET-060-1	60 (5.6)	20 in x 36.4 ft	720
QUICKNET-070-1	70 (6.5)	20 in x 42.7 ft	840
QUICKNET-080-1	80 (7.4)	20 in x 48.9 ft	960
QUICKNET-090-1	90 (8.4)	20 in x 55.0 ft	1080
QUICKNET-100-1	100 (9.3)	20 in x 61.0 ft	1200
<b>240 V QuickNet with thermostat</b>			
QUICKNET-050-2	50 (4.6)	20 in x 30.5 ft	600
QUICKNET-060-2	60 (5.6)	20 in x 36.4 ft	720
QUICKNET-080-2	80 (7.4)	20 in x 48.9 ft	960
QUICKNET-100-2	100 (9.3)	20 in x 61.0 ft	1200
<b>240 V Extension Kit without thermostat (add on to 240 V QuickNet to accommodate floors over 100 ft<sup>2</sup>)</b>			
QUICKNET-050X-2	50 (4.6)	20 in x 30.5 ft	600
QUICKNET-060X-2	60 (5.6)	20 in x 36.4 ft	720
QUICKNET-080X-2	80 (7.4)	20 in x 48.9 ft	960
QUICKNET-100X-2	100 (9.3)	20 in x 61.0 ft	1200

**U.S.A.**  
**Tyco Thermal Controls**  
 300 Constitution Drive  
 Menlo Park, CA 94025-1164 USA  
 Tel (800) 545-6258  
 Fax (800) 596-5004  
 info@tycothermal.com  
 www.tycothermal.com

**Canada**  
**Tyco Thermal Controls**  
 250 West St.  
 Trenton, Ontario  
 Canada K8V 5S2  
 Tel (800) 545-6258  
 Fax (800) 596-5004

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