



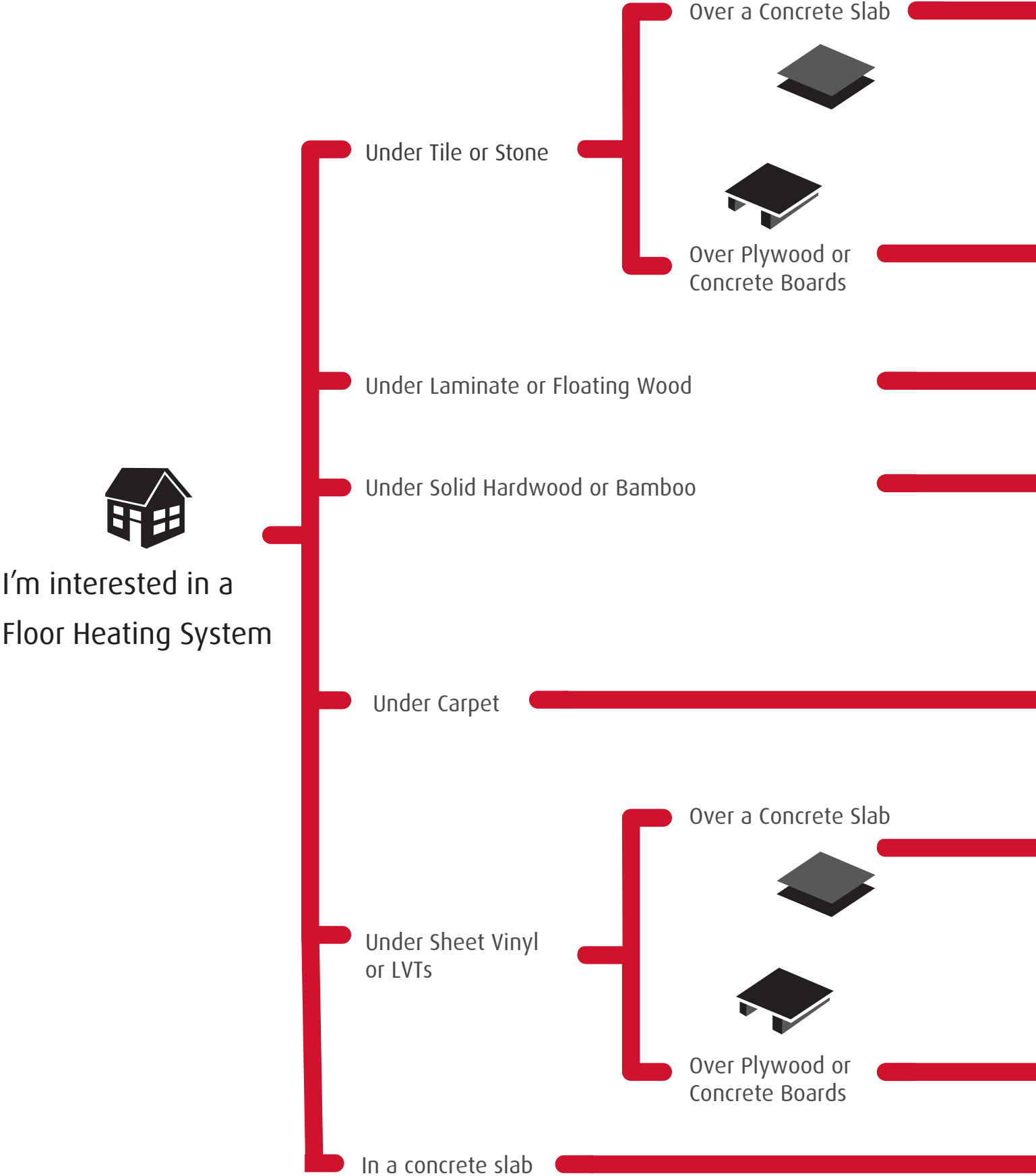
Price Book

January 2019

Warmup[®]

The world's **best-selling** floor heating brand™

What floor heating product should I use?



	 	Use NADCM-PRO Cable at 3" spacing with Warmup Insulation Boards (WIBs)	12
		Use NADWM mats	20
	 	Use NADCM-PRO Cable and Membrane at 3" spacing	12
		Use FOIL over WIU insulation	24, 33
	 	Use NADCM-PRO Cable with 3" or 4" spacing using the sleepers method	12
		Use FOIL between the pad and the carpet	24
	 	Use NADCM-PRO Cable at 3" spacing with Self-Leveler, over WIBs	12
		Use NADWM mats with WIB insulation boards	20, 32
	 	Use NADCM-PRO Cable and Membrane at 3" spacing	12
		Use WODH cable on wire mesh at 4" spacing	30

Who is Warmup

More than 25 years ago, Warmup set out to become the world's most trusted provider of innovative underfloor heating solutions.

Our strategy focuses on the creation of the best products, best service, best warranties and the harnessing of the most advanced information on product safety and capabilities through proprietary research & development.

The combination of heating wire with fluoropolymer coating and thermostats are patented, trademark protected, designed and owned by Warmup.

We now occupy a world leading position in our field, selling more than 2.1 million systems in over 70 countries.

A photograph of a modern building with a large glass facade. The Warmup logo, consisting of the word "Warmup" in red 3D letters with a red horizontal line above it, is mounted on the upper part of the building's exterior wall. The building has a grey, ribbed upper section and a lower section with large glass windows reflecting the sky and trees.



Getting Started with Warmup

"People don't have heated floors because no one told them they could".

Let's go tell the world about this amazingly comfortable, incredibly efficient heat source.

Rest assured, we'll make it an easy process.



Quote

In the USA: (888) 927-6333 / ussales@warmup.com

In Canada: (888) 592-7687 / ca@warmup.com

FAX: (888) 927-4721

You can submit a fax or email us with anything good enough to describe your project. From a set of blueprints to a few notes on a napkin, we've seen it all. Don't be shy, send it over.

We'll complete a detailed installation plan for you within 24 hours. Just let us know whether you want a quick price over the phone, or a detailed review of your project.



Ask

Call us. We don't have a fancy answering service, but we have real friendly people. They'll answer your questions or connect you with your local sales person right away. Email us about your project and we'll connect you straight to your local Warmup office.



Order

Email or fax us. We're never too busy to take your order. If it's your first time, we'll get you set-up same day and make sure your order is dispatched promptly. Please note that all orders need to be in writing.

Warmup General Terms

PAYMENT TERMS

Orders placed prior to credit approval will be subject to full prepayment. Warmup standard payment terms are net 30 days from date of invoice. Special terms and conditions can be negotiated and discussed with your Key Account Manager. A credit application with signed business terms must be on file with Warmup. Please include a copy of your Resale Certificate.

REMIT PAYMENTS

In the USA:

Warmup, Inc
52 Federal Rd, Unit 1F
Danbury, CT, 06810

In Canada:

Warmup, Inc
C/O TH1067
PO Box 4283
Postal Station A
Toronto, ON, M5W 5W6

Shipping and handling will be invoiced with the products purchased. All standard orders carry a flat \$25 freight charge and are shipped UPS Ground. Expedited shipments are invoiced 'at cost' based on Warmup's discounted rate. Oversized SKU's carry additional costs such as WIB insulation boards (\$25 each) and DCM-PRO membrane boxes and rolls (\$25 each).

RETURNS

Returns, in resalable condition, are allowed within 30 days of purchase for a full refund. You must request an RGA from Warmup. Returns received without RGA cannot be refunded. After 30 days of purchase, or after expiration of the RGA, Warmup will only issue credit notes on future orders and apply a 20% re-stocking fee. All deliveries must be inspected for accuracy within 7 days of receipt. No claim can be accepted thereafter.

ORDERS MUST BE SUBMITTED IN WRITING

Fax: (888) 927-4721

In the USA: us@warmup.com

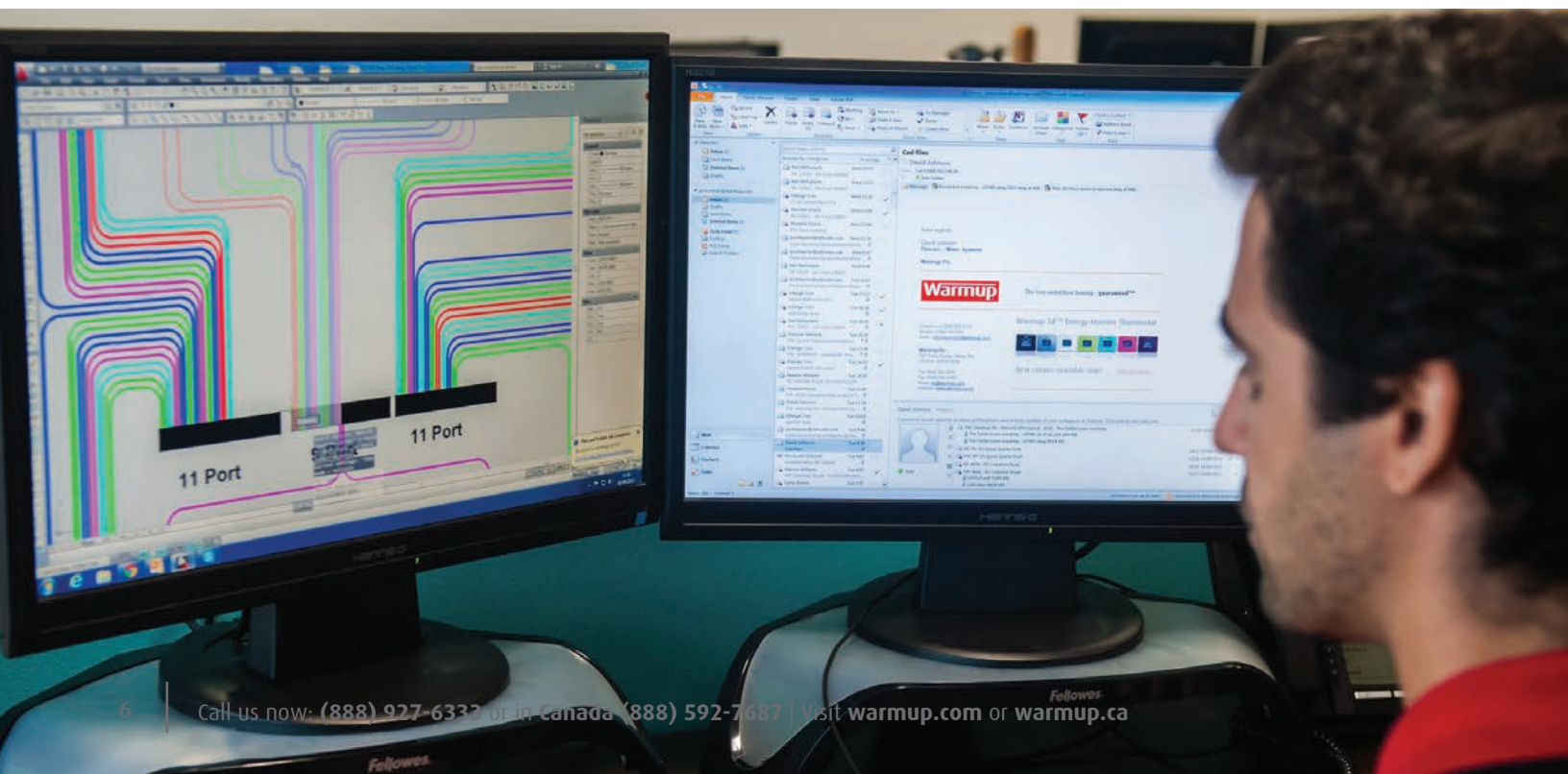
In Canada: ca@warmup.com

Orders placed before 1:30PM (EST) will be shipped same-day, UPS. Orders placed after the deadline will be shipped promptly the following business day.

ONLINE POLICY

The Warmup brand is exclusive to established and approved brick & mortar resellers. The Warmup products cannot be sold online through third-party resellers such as Amazon or eBay. Warmup resellers may post product on their websites following the MAP policy. To obtain a copy and offer our products on your company website, please contact us@warmup.com.



For complete and up-to-date Warmup Inc. Terms and Conditions, visit warmup.com or warmup.ca.




Point of Sale Promotion




Shop our selection of showroom displays, samples & more on warmupedia.warmup.com


Floor Heating ▾
Thermostats ▾
Snow and Ice Melting ▾
Outdoor Controllers ▾
Bathroom Collection ▾
Shop 


Shop




Displays (5)




Literature (7)




Electric Floor Heating Accessories (8)



Product Samples (4)



Merchandising (3)



Tool Rental (4)

Warranties & Guarantees

Warmup provides a **Lifetime Warranty** on all its under tile floor heating products because not only do we maintain the highest standards in manufacturing, we are the only company with an EN422-2 Testing Facility that continuously tests, Quality-Controls and improves our range of heating solutions.

Despite the harsh environments in which they operate, Warmup is able to provide a 10-year warranty on all its outdoor heating cable solutions. This promise is well-beyond industry standards and is paired with the most practical and effective promise: Warmup's SafetyNet™ Guarantee.

The SafetyNet™ Guarantee offers all installers the ability to receive a free and immediate replacement for product damaged onsite, for any reason. Because 99% of issues happen during installation and not thereafter, Warmup wants to ensure that the system installed is free and clear of any defects or damage.

For detailed Warranty and SafetyNet™ terms, visit www.warmup.com/warranty

NADCM Cable	cULus		
NADCM Membrane	cULus	ANSI 118.12 ASTM C627	Warmup LIFETIME LIMITED WARRANTY
NADWS Cable	cULus		
NADWM StickyMat	cULus		
FOIL	cULus		
WODH In-Slab	CSA		Warmup 10 YEAR LIMITED WARRANTY
NAMSR Freeze Protection	cULus	ETL Intertek	
WSM & WSMM Snow Melting	CSA		
MD & TW Bathroom Collection	cULus		Warmup 3 YEAR LIMITED WARRANTY
Indoor Thermostats	ETL Intertek		
Outdoor Controls	CSA		
WRGH Cable De-Icing	CSA		Warmup 1 YEAR LIMITED WARRANTY

We carry multiple approvals on much of our range. For all our approvals, visit www.warmup.com



Technical Support

Warmup is dedicated to helping you when you need it the most.

Did you know that we offer 24/7 Customer Support, a SafetyNet™ guarantee in case the cable(s) get(s) damaged during the installation, tool rental to find a potential break in the cable, and repair kits to fix damages?

These are instrumental to providing exceptional Customer Support, every step of the way.

Rent tools or buy them online, along with our repair kits or a Digital Multimeter (illustrated below) , on warmupedia.warmup.com.



Infrared thermal camera



Fluke Tester



TDR Meter



Megger (mega-ohmmeter)



Bring warmth & comfort to
your floors with Warmup®



Install a Warmup floor heating system to heat your whole house or to take the chill off stone and tiled floors!

Warmup can be used as the primary heat source and bring comfortable radiant heat in bathrooms, kitchens and other tiled/stone areas of the home.

Electric floor heating from Warmup is easy to specify and install. With ready-

made sizes and field-modifiable mats or cables to fit any room and layout, you are well on your way to a successful project.

Warmup provides all the assistance, controls and optional insulation to make your heated floors cost-efficient to operate. With the thinnest profile wire and the fastest heat-up times, it is no surprise Warmup is the world's best-selling electric floor heating brand.

DCM-PRO Cable

Use under tile & stone, LVT's and glued-down wood floors

Warmup DCM-PRO Cable is a custom designed cable compatible with all uncoupling membranes.

The cable can be spaced at 3 or 4" for the highest flexibility in heat outputs, from Comfort Heating to Primary Heating.

It is **guaranteed for LIFE**.

Even better results when used with Warmup 4iE® Smart thermostat (p.35) and lowest consumption cost when installed with 1/4" Warmup Insulation Boards (p.32).

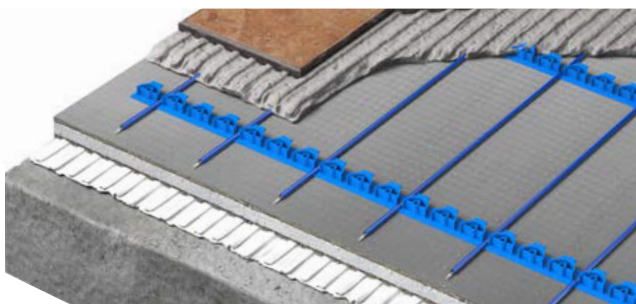
Thickness	3/16" (4.5mm - +/- 0.2mm)
Output	Varies with spacing from 11w/sqft to 20w/sqft
Construction	Multi-stranded, dual wire
Inner insulation	ETFE
Outer jacket	PVC
Ground braid	85% min copper
Cold lead	10ft (3m) long, 2 core braided



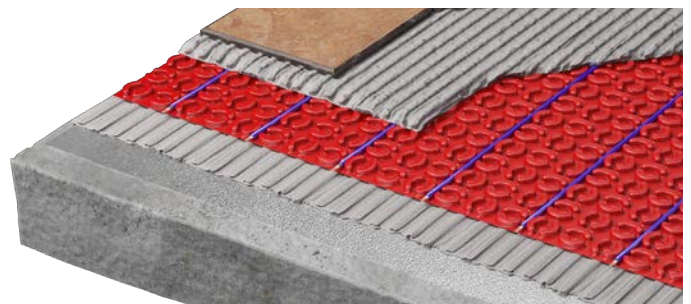
The DCM-PRO system is warranted **for life** when comprised of a Warmup thermostat, the DCM-PRO Membrane and the DCM-PRO Cable. For full warranty details, see www.warmup.com/about/best-warranties



The DCM-PRO Cable can be secured with spacing strips (left) or fit into the DCM-PRO Membrane for uncoupling purposes (right). Read more page 14-17.



Plastic fixing strips (PLG-DCM-12) holding the DCM-PRO Cable.



DCM-PRO Cable fitted in the DCM-PRO Membrane.



Code	Length (ft)	Resistance (Ω)	Amps	Membrane Spacing			Canada	USA
				2 pgs	3 pgs gives sq ft coverage of	4 pgs		
NADCM-C-120-65	16.7	221.5	0.54	3	5	7	\$199.00	\$158.50
NADCM-C-120-130	33.1	110.8	1.08	7	10	13	\$229.00	\$183.00
NADCM-C-120-195	49.9	73.8	1.62	10	15	20	\$258.00	\$206.00
NADCM-C-120-260	66.3	55.4	2.16	13	20	27	\$292.00	\$233.50
NADCM-C-120-325	83.0	44.3	2.70	17	25	33	\$321.00	\$256.50
NADCM-C-120-390	99.4	36.9	3.25	20	30	40	\$332.00	\$265.50
NADCM-C-120-525	132.9	27.4	4.37	27	40	53	\$390.00	\$312.00
NADCM-C-120-655	166.0	22.0	5.45	33	50	67	\$449.00	\$358.50
NADCM-C-120-785	199.1	18.3	6.55	40	60	80	\$504.00	\$403.00
NADCM-C-120-920	232.3	15.6	7.69	47	70	93	\$561.00	\$448.50
NADCM-C-120-1050	265.4	13.7	8.75	53	80	107	\$620.00	\$496.00
NADCM-C-120-1180	298.6	12.2	9.83	60	90	120	\$680.00	\$543.50
NADCM-C-120-1315	331.7	11.0	10.90	67	100	133	\$735.00	\$588.00
NADCM-C-120-1445	364.8	10.0	12.00	73	110	147	\$794.00	\$634.50
NADCM-C-120-1575	398.0	9.1	13.18	80	120	160	\$851.00	\$680.50
NADCM-C-240-325	83.0	177.2	1.35	17	25	33	\$321.00	\$256.50
NADCM-C-240-390	99.4	147.7	1.62	20	30	40	\$332.00	\$265.50
NADCM-C-240-525	132.9	109.7	2.18	27	40	53	\$390.00	\$312.00
NADCM-C-240-655	166.0	87.9	2.73	33	50	67	\$449.00	\$358.50
NADCM-C-240-785	199.1	73.4	3.26	40	60	80	\$504.00	\$403.00
NADCM-C-240-920	232.3	62.6	3.83	47	70	93	\$561.00	\$448.50
NADCM-C-240-1050	265.4	54.9	4.37	53	80	107	\$620.00	\$496.00
NADCM-C-240-1180	298.6	48.8	4.91	60	90	120	\$680.00	\$543.50
NADCM-C-240-1310	331.7	44	5.45	67	100	133	\$735.00	\$588.00
NADCM-C-240-1640	414.7	35.1	6.83	83	125	167	\$899.00	\$702.00
NADCM-C-240-1970	497.7	29.2	8.21	100	150	200	\$999.00	\$879.50
NADCM-C-240-2300	580.7	25.0	9.60	117	175	233	\$1,099.00	\$967.50
NADCM-C-240-2630	663.4	21.9	10.95	133	200	266	\$1,155.00	\$1,004.00
NADCM-C-240-2955	746.4	19.5	12.30	150	225	300	\$1,214.00	\$1,074.50
NADCM-C-240-3240	829.4	17.8	13.48	167	250	333	\$1,277.00	\$1,181.50

*for 208V figures, see product specification sheet, which can be found on warmup.com or .ca

Code	Optional Insulation	Canada	USA	See Page
WIB-4X2-1/4*	Dimensions: 2'x4'x1/4". USA box of 6 boards 48sqft. Canada box of 8 boards 64sqft.	\$229.00	\$231.00	32

*for mounting accessories, see page 33

Code	Accessories	Canada	USA
M-DGMTR	The Alligator Tester - Digital Multimeter.	\$25.00	\$20.00
REPAIR-INDOORS	Repair kit for 120/240V systems: REPAIR-ENDCAP, REPAIR-JOINT.	\$12.00	\$10.00
DCM-SP-10K	Additional Floor Sensor for the 4iE®.	\$26.00	\$21.00
RELAY-25	General purpose 25A/240V relay used to expand the switching capability of the Warmup thermostats. Mounts in single gang box.	\$104.00	\$82.50
PLG-DCM-12	Plastic fixing strips - Strips are 12" long with spacing available on 1" increments. Approximately 3/16" thick. Box of 40.	\$57.00	\$45.50
M-PLTL	Heavy Duty Plastic Trowel 11" x 5.5" with 1/4" U-notch design.	\$15.00	\$14.97
M-MEG	Warmup's Digital Mega-Ohmmeter is used to track Insulation Resistance for installation Accuracy and Warranty Purposes.	\$223.40	\$197.80

DCM-PRO Uncoupling Membrane

Fleece-backed or Peel-and-Stick

The TCNA-tested DCM-PRO anti-fracture Membrane can be installed on wood and cement subfloors using any tile adhesive.

The patented DCM-PRO design allows for more adhesive to connect with

the cable thereby distributing the heat more evenly.

There is no waiting required after installation so you can begin laying the flooring immediately.

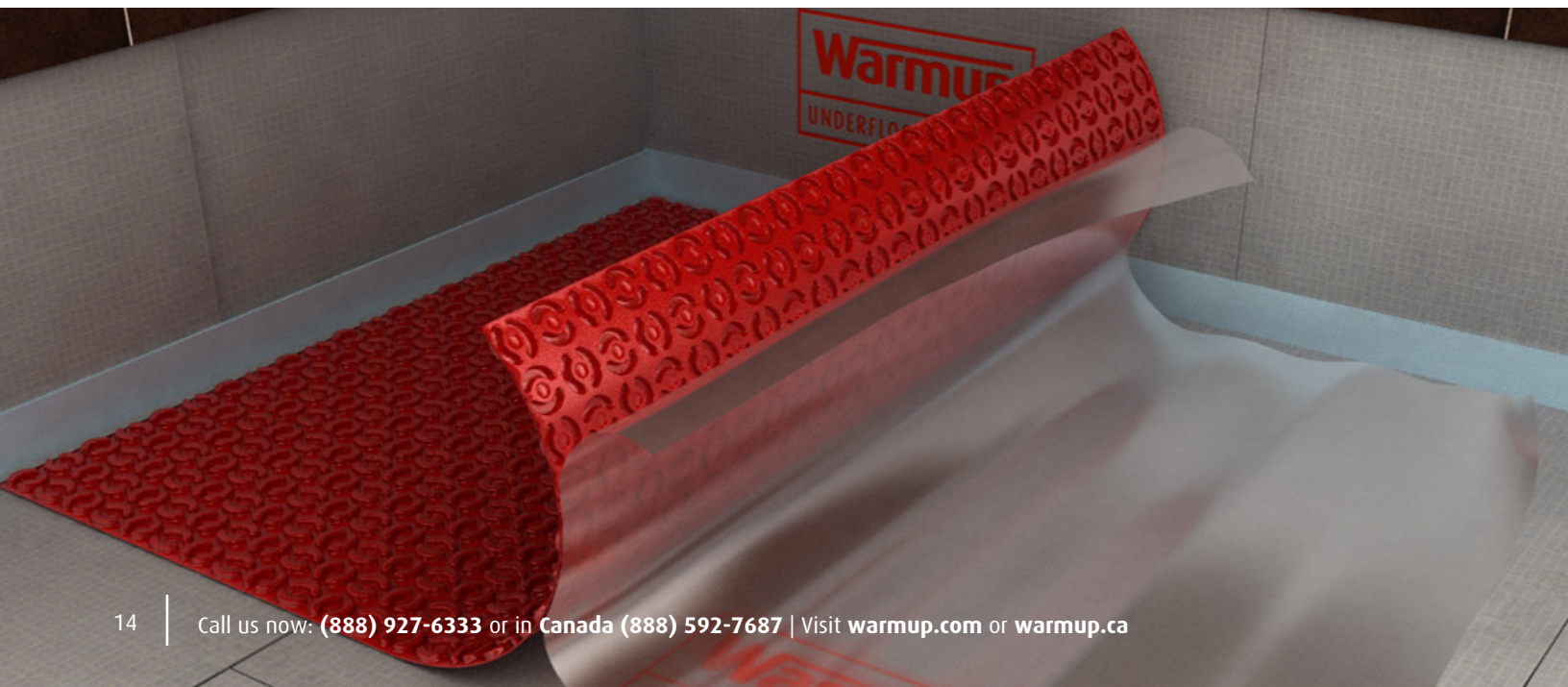
Installers can use either modified or unmodified adhesives over the membrane to suit their installation needs. The DCM-PRO Membrane can even be covered with self-levelling mortars (SLU's) to allow installation of small format tiles and other floor types such as glue-down wood and LVT's, to be laid on top of the DCM-PRO System.

The unique design of the DCM-PRO Membrane protects the cable from installation damage leading to a reduced risk of cable failures.

The membrane has been successfully tested to ANSI A118.12 standards and performed well on the Robinson test (ASTM C-627). It is the highest-rated membrane for floor heating systems.

Features

- Under 6mm – 1/4" thick
- Rated as Anti-Fracture membrane as tested by the TCNA against ANSI A118.12
- Installs with regular or modified thinsets
- Ready to tile over
- Use any adhesives or apply SLU's above and below
- Highest heating outputs with **DCM-PRO Cable** (page 12)
- Lowest running costs with 1/4" **Warmup Insulation Boards** (page 32)
- Smart operation with **4iE-04 Smart WiFi Thermostat** (page 35)

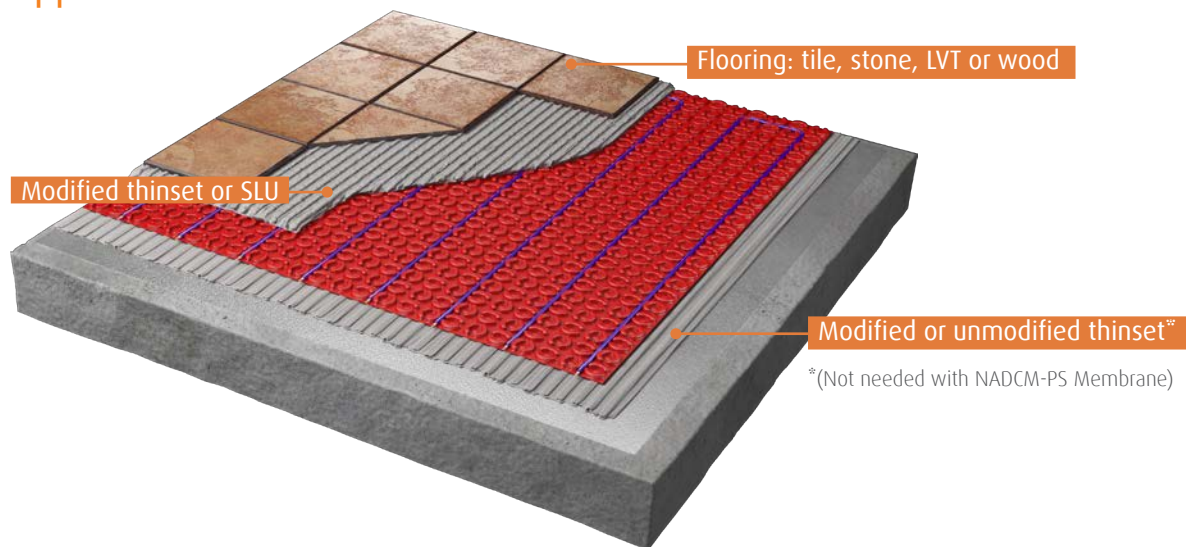




Code	Description	Dimensions of each sheet/roll	Canada	USA
NADCM-M-80	Box of 10 fleece-backed sheets, covering 81.6sqft in total.	3'3" x 2'7"	\$254.00	\$203.00
NADCM-M-150	Roll of fleece-backed membrane, covering 150 sqft in total.	3'3" x 47'2"	\$411.00	\$328.50
NEW! NADCM-PS-80	Box of 10 Peel-and-Stick sheets, covering 81.6sqft in total.	3'3" x 2'7"	\$269.00	\$219.00
NEW! NADCM-PS-150	Roll of Peel-and-Stick membrane, covering 150 sqft in total.	3'3" x 47'2"	\$429.00	\$349.00

Code	Accessories	Canada	USA
NEW! M-PLTL	Heavy Duty Plastic Trowel 11" x 5.5" with 1/4" U-notch design.	\$15.00	\$14.97
NEW! NADCM-WP-KIT	Waterproofing kit for DCM-PRO. Includes 35ft roll of tape and corners (6 in/2 out).	\$198.00	\$159.00

Application



ANSI A118.12: High Performance

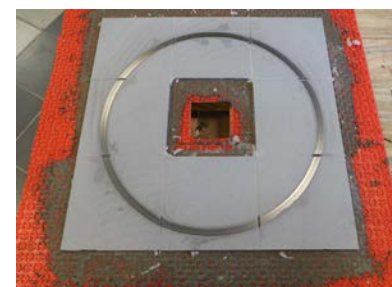
The Warmup DCM-PRO showed no sign of movement at 1/8" subfloor gaps on all three tests performed by the TCNA.

It is entirely mold proof and reached over 100 PSI bond strength at the 7-day shear strength test (high performance is >50 PSI).

Robinson Test - ASTM C627

"EXTRA HEAVY" Commercial Rating

The Warmup DCM-PRO Membrane completed all 14 cycles with no visible damage over a wood subfloor mounted on 19" o/c beams.



Robinson Test American Standard

DCM-PRO Uncoupling Membrane versions

The Membrane exists in Fleece-backed and Peel-and-Stick formats

A Membrane can replace a second layer of plywood/concrete board and reduces the risk of tile cracks caused by movement in the flooring assembly.

When integrated with Cable, the Membrane system is a best-in-class integrated uncoupling, waterproofing, and floor heating solution.

DCM-PRO Peel-and-Stick

Installs in minutes with self-adhesive backing.

- Best for remodels and multi-units for fast installation
- Tile immediately
- 40% savings on labor and material
- Doesn't roll back: no memory
- A great thinset-to-cable contact for a better heat dissipation



DCM-PRO Fleece-backed

Use with any tile adhesive above and below.

- Ideal for rough and uneven subfloors
- Tile in one hour
- Cover with self-levelers for versatile floor finishes



The Warmup Advantage

- Speed and flexibility of installation at 2-3-4 peg spacing
- Primary Heating outputs
- Rated Heavy Commercial (ASTM C627)
- Anti-fracture protection (ANSI 118.12)
- Even floor temperature with better cable-to-thinset contact
- Suitable for every floor covering and ready to tile
- Waterproofing capability with NADCM-WP-KIT
- **The ONLY UL-APPROVED membrane heating system**

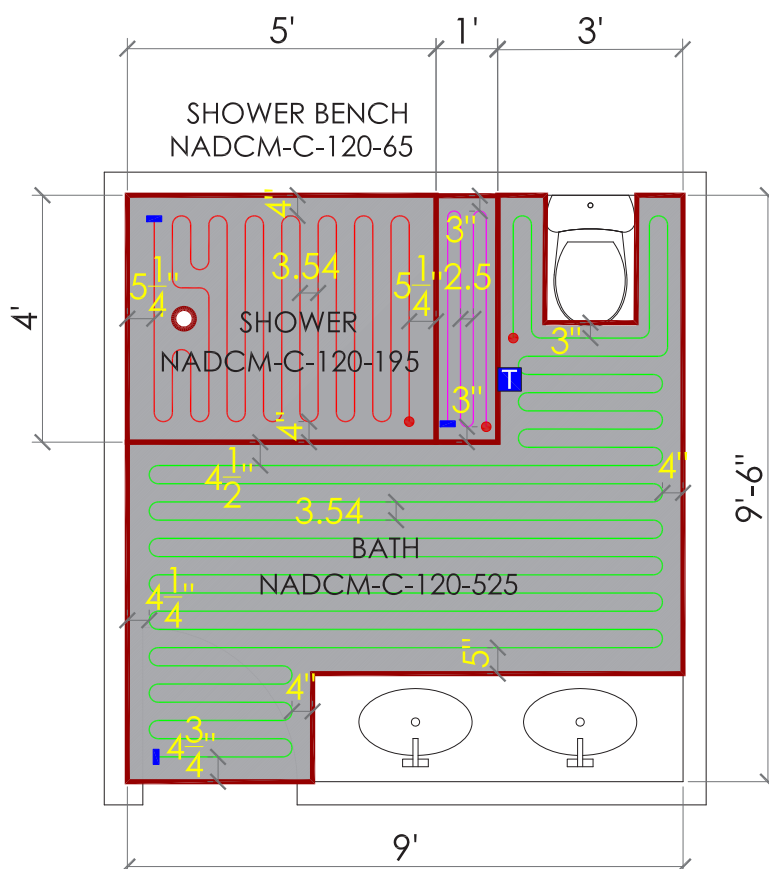
SAFETY Net™
INSTALLATION
GUARANTEE





DCM-PRO Cable Layout Example

Get a layout for your project in 24h! This is a free service from Warmup to ensure you buy the right product for your project.

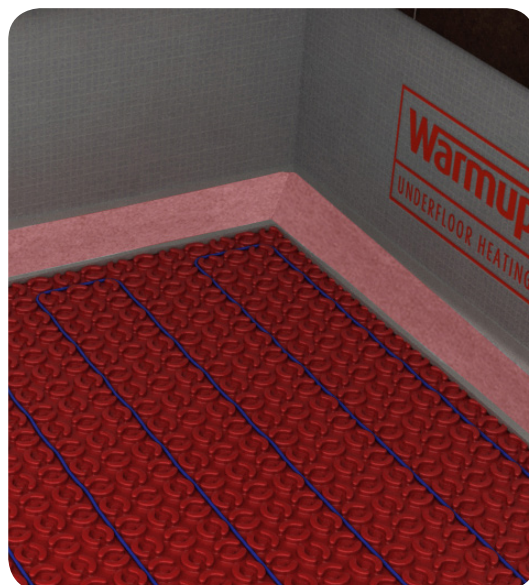


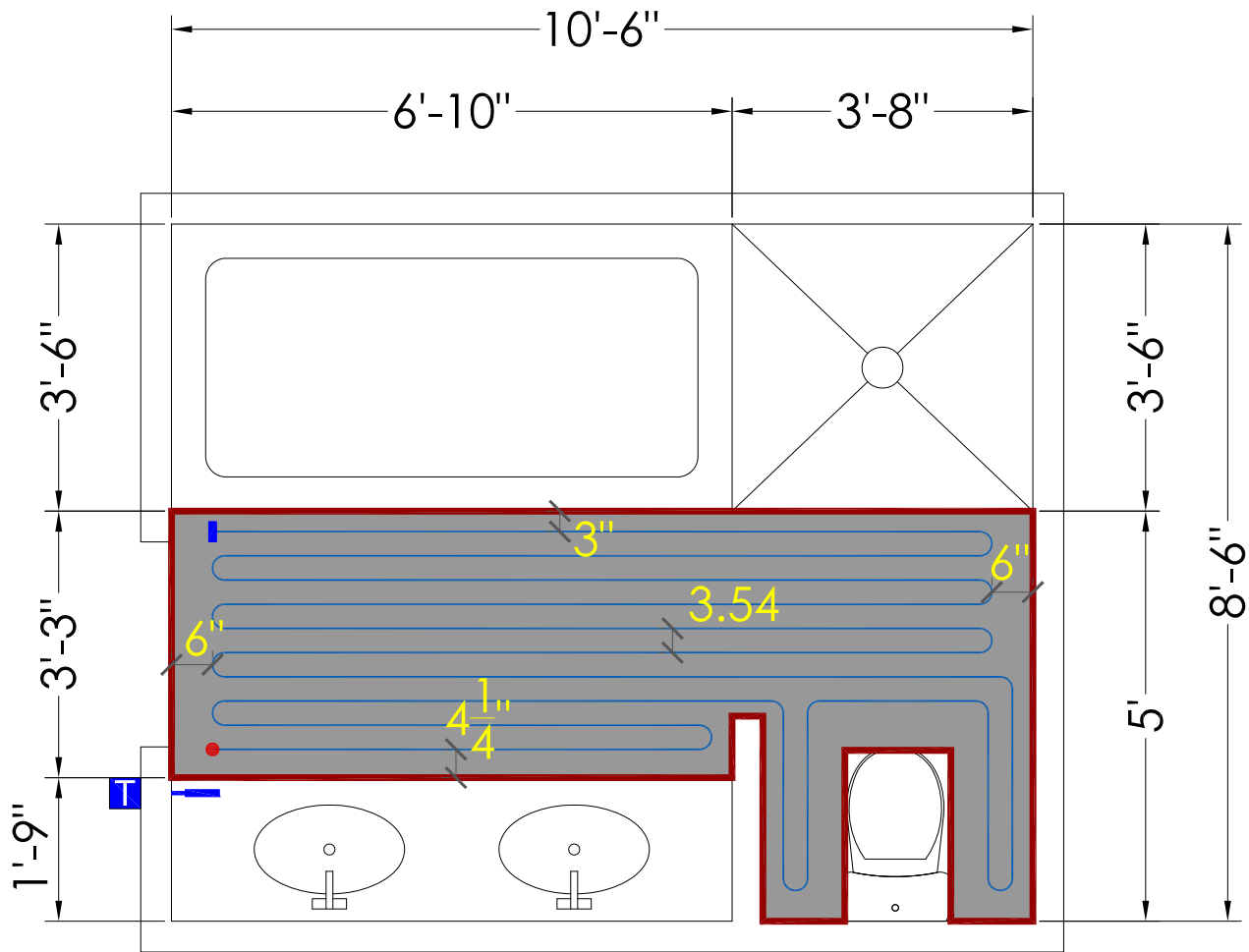
Did You Know?

Warmup's 3-ply **waterproof membrane** protects floors and walls under thin-set tile installations from substrate cracks and moisture migration. It is comprised of 2 outer polypropylene layers and one inner polyethylene waterproofing membrane and exceeds testing requirements per ANSI 118.10.

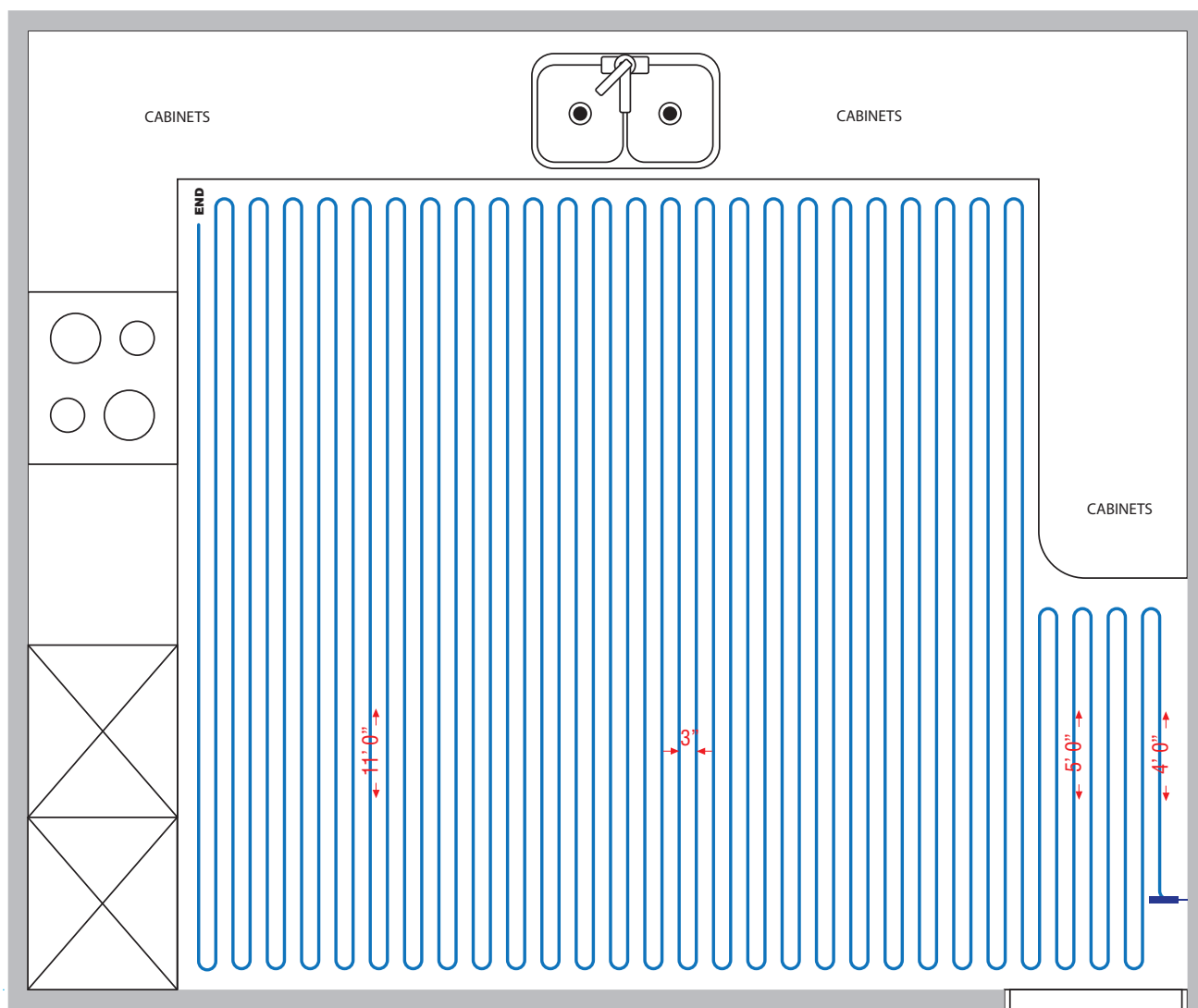


The **NADCM-WP-KIT** (p.15) includes a 35ft roll of 5" wide membrane, along with 2 outer corners and 6 inside corners to complete waterproofing in most common bathrooms under 100 sqft.





Size 89 sq. ft.		Price \$707.50		Type NADCM Cable	
Total Room Area	89 sq. ft.			Specifications	
Surface to be Heated	35 sq. ft.			Voltage	120
Heating System	NADCM-C-120-390	\$265.50		Amps	3.30
Membrane	NADCM-PS-80	\$219.00		Monthly Cost to Run	\$5.69
Thermostat	4iE Thermostat	\$223.00		Total BTU Equivalent	1,351.15
		Subtotal	\$707.50		
Insulation (optional)	7 boards - Dimensions: 2'x4'x1/4"		\$269.50		
		Total	\$977.00		



Size 237 sq. ft.		Price \$1,451.50	Type NADCM Cable	
Total Room Area	237 sq. ft.		Specifications	
Surface to be Heated	150 sq. ft.		Voltage	240
Heating System	NADCM-C-240-1970	\$879.50	Amps	8.21
Membrane	NADCM-PS-150	\$349.00	Monthly Cost to Run	\$18.76
Thermostat	4iE Thermostat	\$223.00	Total BTU Equivalent	6,723.00
		Subtotal	\$1,451.50	
Insulation (optional)	24 boards - Dimensions: 2'x4'x1/4"		\$924.00	
		Total	\$2,375.50	

NADWM StickyMat™

Use under tile, stone & LVT

The Warmup StickyMat is designed for use within an adhesive layer under tiles or within a leveling compound under other floor finishes.

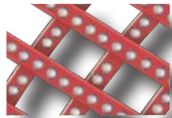
The fixed spacing and self-adhesive mat makes installation of regularly shaped rooms quick and easy, whilst ensuring precision is maintained.

The StickyMat™ System is ideal for installations within regularly shaped areas, where mats can be quickly rolled out across the floor in parallel runs, cut and turned.

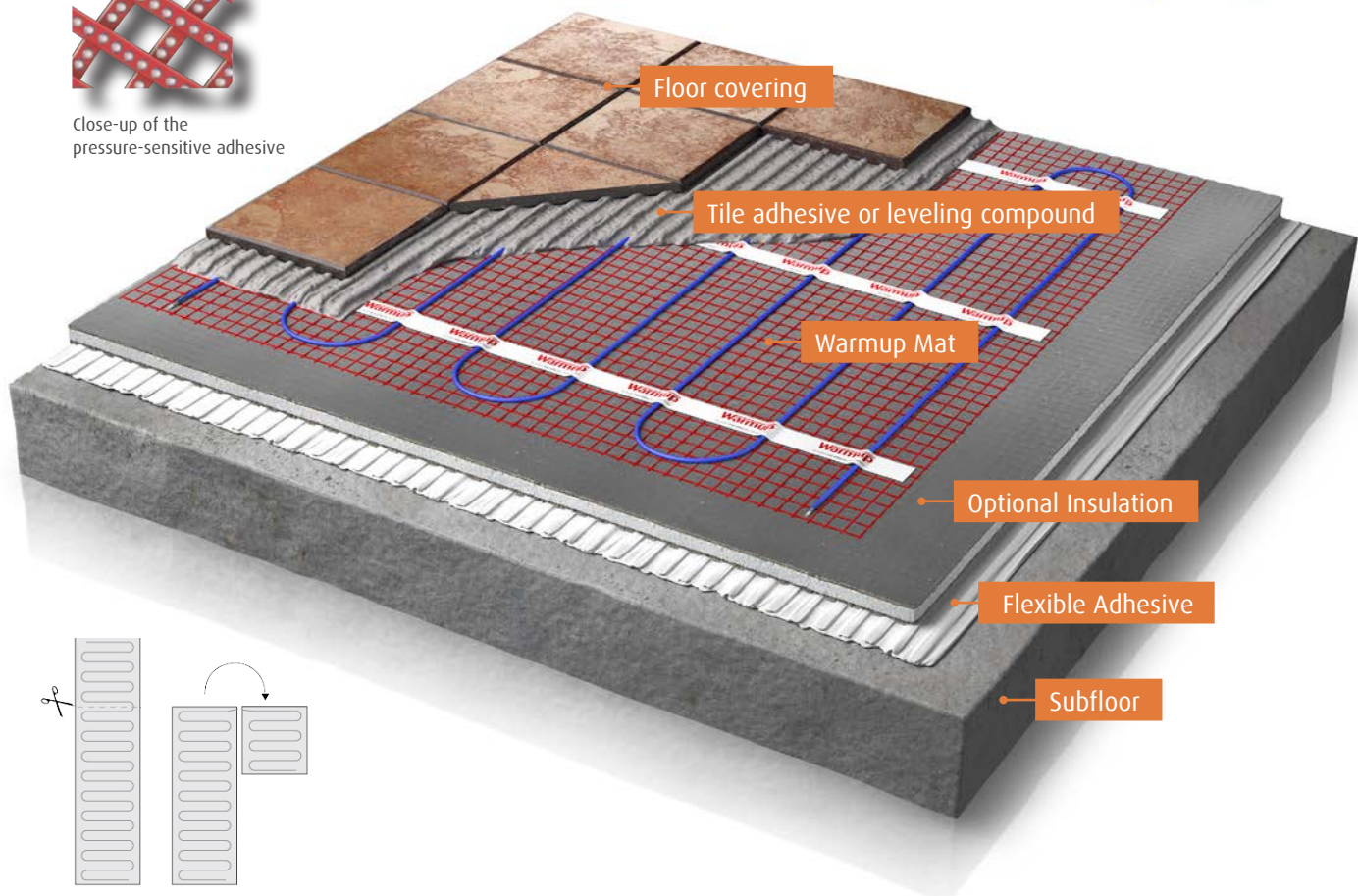
For floors using a vinyl, carpet, timber or other UFH compatible floor finishes including tiles, the

system can be covered with a leveling compound to provide a flat and level floor surface.

Alternatively, the Foil Heater System (p.24) offers a completely dry construction that does not require a leveling compound under carpet or laminate.



Close-up of the pressure-sensitive adhesive





Area (sqft)	Code	Mat Length (ft) (20" wide)	Wattage	Amps	Resistance (Ω)	Canada	USA
10	NADWM-120-140	6'	140	1.16	102.8	\$266.75	\$217.50
15	NADWM-120-210	9'	210	1.75	68.5	\$337.70	\$275.00
20	NADWM-120-280	12'	280	2.33	51.4	\$379.50	\$309.00
25	NADWM-120-350	15'	350	2.91	41.2	\$422.40	\$344.00
30	NADWM-120-420	18'	420	3.49	34.3	\$465.30	\$379.00
40	NADWM-120-560	24'	560	4.66	25.7	\$578.05	\$471.00
50	NADWM-120-700	30'	700	5.82	20.6	\$691.90	\$563.50
60	NADWM-120-840	37'	840	7.01	17.1	\$804.65	\$655.00
75	NADWM-120-1050	46'	1050	8.75	13.7	\$974.05	\$793.50
90	NADWM-120-1260	55'	1260	10.52	11.4	\$1,129.70	\$920.00
110	NADWM-120-1540	67'	1540	12.76	9.4	\$1,314.50	\$1,070.50
120	NADWM-120-1620	73'	1620	13.48	8.9	\$1,412.95	\$1,151.00
25	NADWM-240-350	15'	350	1.45	164.6	\$422.40	\$344.00
40	NADWM-240-560	24'	560	2.33	102.9	\$578.05	\$471.00
50	NADWM-240-700	30'	700	2.91	82.3	\$691.90	\$563.50
75	NADWM-240-1050	46'	1050	4.37	54.9	\$974.05	\$805.00
90	NADWM-240-1260	55'	1260	5.25	45.7	\$1,129.70	\$920.00
110	NADWM-240-1540	67'	1540	6.41	37.4	\$1,342.00	\$1,070.50
150	NADWM-240-2100	91'	2100	8.75	27.4	\$1,696.20	\$1,381.50
180	NADWM-240-2520	110'	2520	10.48	22.9	\$1,979.45	\$1,612.00
220	NADWM-240-3080	134'	3080	12.83	18.7	\$2,263.25	\$1,842.50
240	NADWM-240-3240	146'	3240	13.48	17.8	\$2,404.60	\$1,958.00

*for 208V figures, see product specification sheet, which can be found on warmup.com

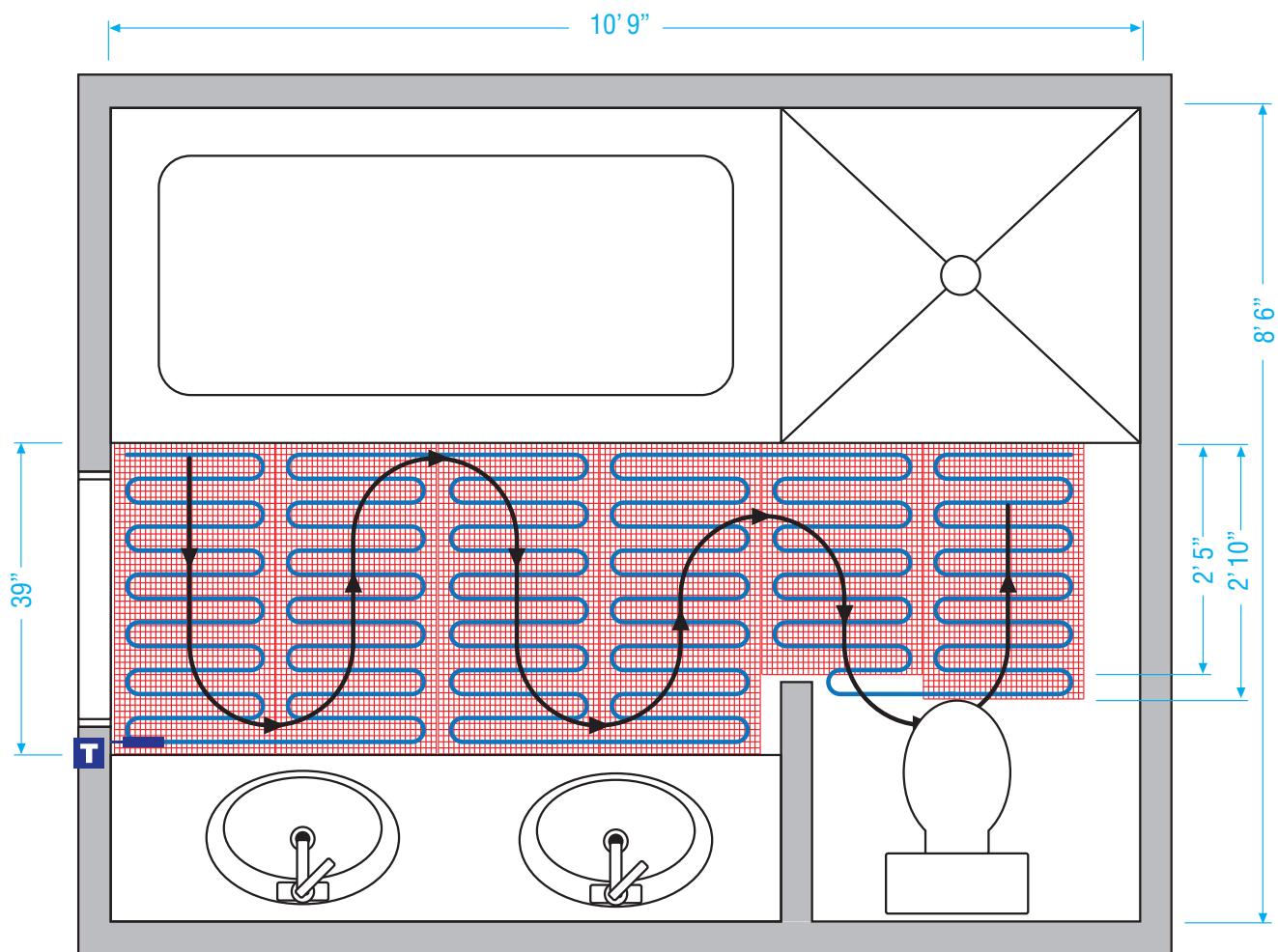
Area (sqft)	Code	Mat Size (ft)	Wattage	Amps	Resistance (Ω)	Canada	USA
9	NADWM-09-120	3 x 3	126	1.05	114.3	\$249.00	\$198.50
15	NADWM-15-120	3 x 5	210	1.75	68.5	\$325.05	\$264.50
18	NADWM-18-120	3 x 6	252	2.10	57.1	\$366.85	\$298.50
24	NADWM-24-120	3 x 8	336	2.80	42.9	\$415.00	\$331.50
30	NADWM-30-120	3 x 10	420	3.50	34.3	\$447.70	\$364.50

Code	Optional Insulation	Canada	USA
WIB-4X2-1/4*	Dimensions: 2'x4'x1/4". USA box of 6 boards 48sqft. Canada box of 8 boards 64sqft.	\$229.00	\$231.00

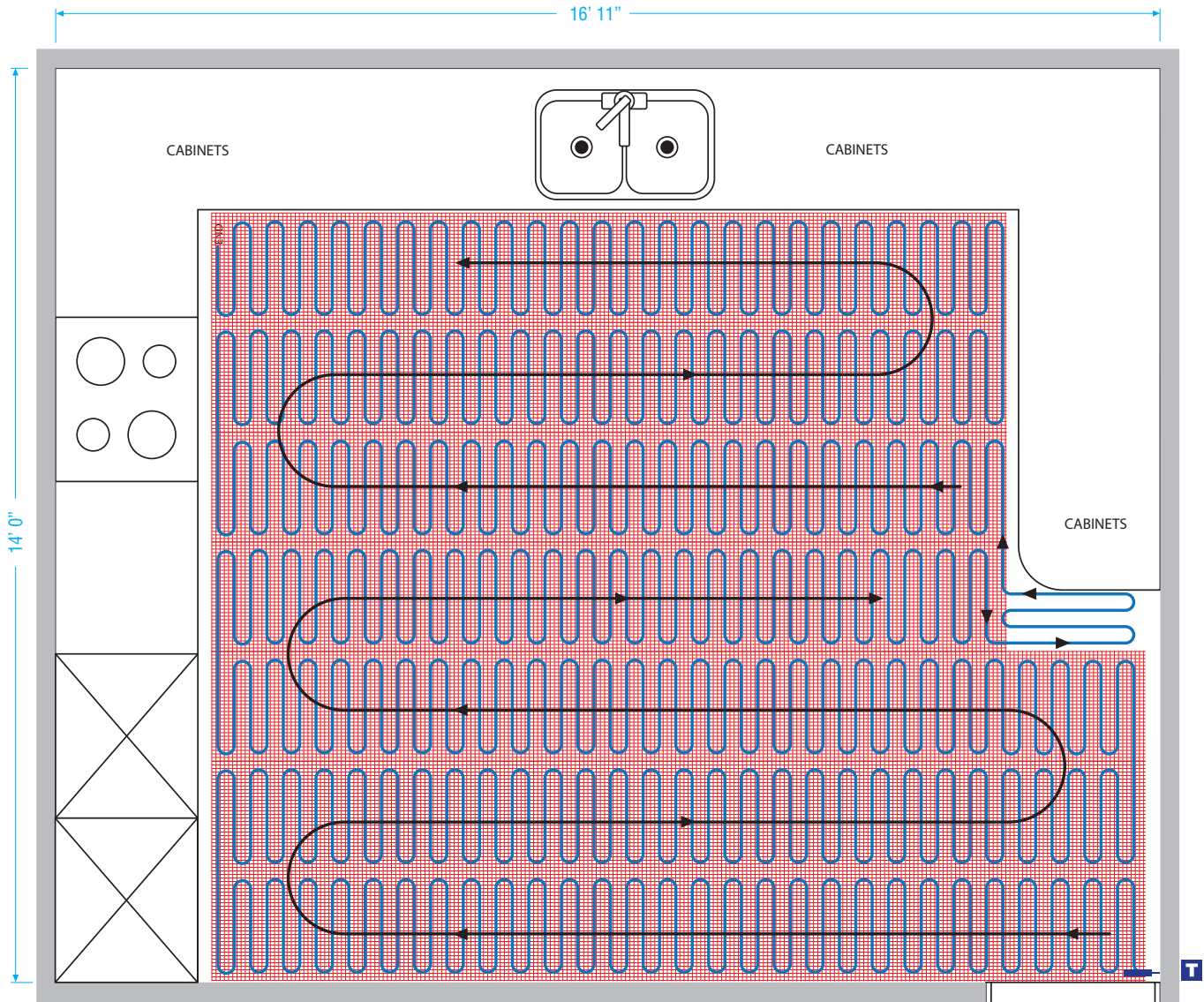
* for mounting accessories, see page 33

Code	Accessories	Canada	USA
M-DGMTR	The Alligator Tester - Digital Multimeter.	\$25.00	\$20.00
REPAIR-INDOORS	Repair kit for 120/240V systems.	\$12.00	\$10.00
DCM-SP-10K	Additional Floor Sensor for the 4iE®.	\$26.00	\$21.00
RELAY-25	General purpose 25A/240V relay used to expand the switching capability of the Warmup thermostats. Mounts in single gang box.	\$104.00	\$82.50

Heating Mat Layout examples



Size 89 sq. ft.		Price \$602.00	Type NADWM Mat	
Total Room Area	89 sq. ft.		Specifications	
Surface to be Heated	35 sq. ft.		Voltage	120
Heating System	NADWM-120-420 Floor Heating Mat	\$379.00	Amps	3.5
Thermostat	4iE Thermostat	\$223.00	Monthly Cost to Run	\$6.13
		Subtotal	Total BTU Equivalent	1,433.04
		\$602.00		
Insulation (optional)	6 boards - Dimensions: 2'x4'x1/4"	\$231.00		
		Total		
		\$833.00		



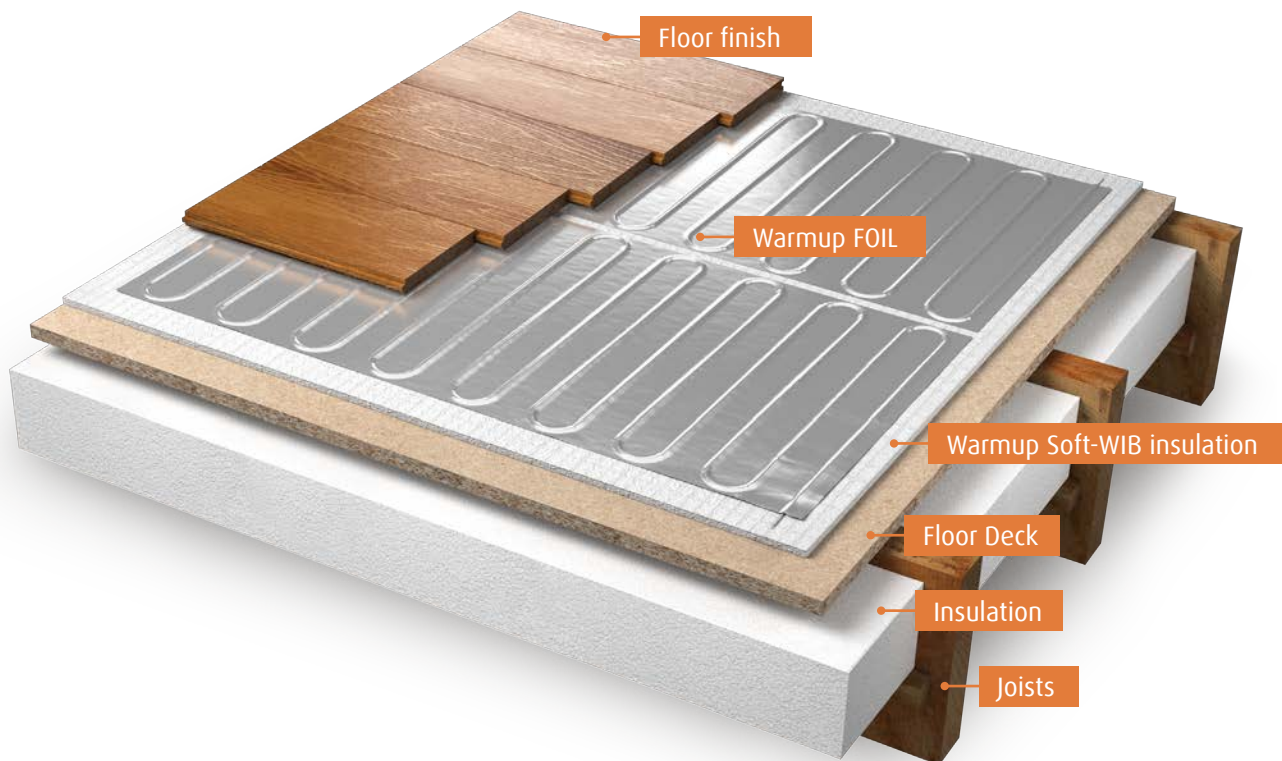
Size 237 sq. ft.		Price \$1,604.50	Type NADWM Mat	
Total Room Area	237 sq. ft.		Specifications	
Surface to be Heated	160 sq. ft.		Voltage	240
Heating System	NADWM 240-2100 Floor Heating Mat	\$1,381.50	Amps	8.8
Thermostat	4iE Thermostat	\$223.00	Monthly Cost to Run	\$21.21
		Subtotal	Total BTU Equivalent	7,206.14
Insulation (optional)	30 boards - Dimensions: 2'x4'x1/4"	\$1,155.00		
		Total	\$2,759.50	

FOIL System

For use under Carpet, Laminate and Floating Engineered Wood Floors

The Warmup FOIL system is an electric mat for floating floors. The system can be customized for installation in regularly shaped spaces. The FOIL product is designed to be installed between underlay and the finished flooring.

All tested carpet pads are sufficient underlay. For laminate and wood installations, Warmup recommends the use of WIU insulation (p. 33) to provide better heat outputs and faster heat-up times.





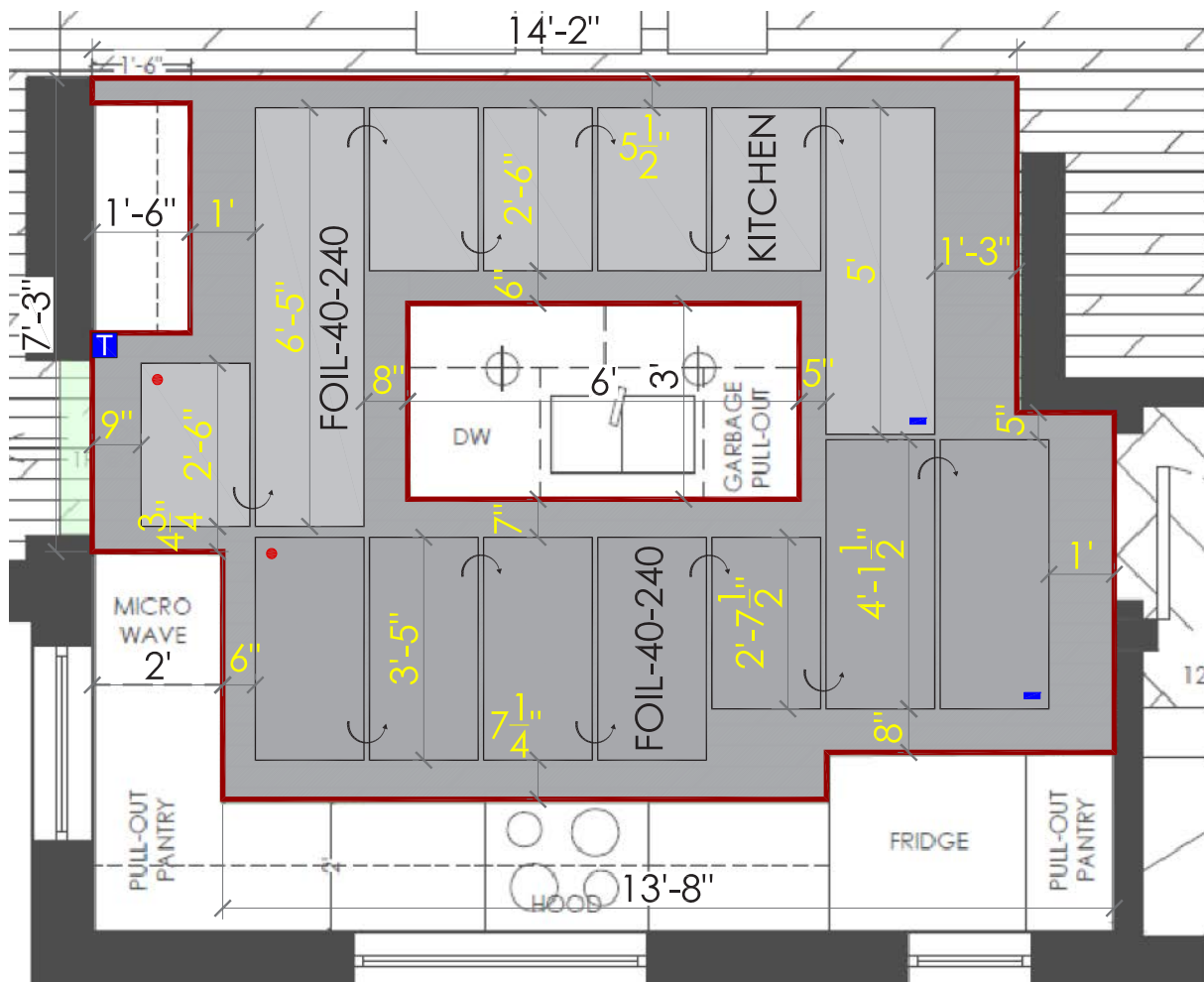
Area (sqft)	Code	Mat length (20" wide)	Wattage	Amps	Resistance (Ω)	Canada	USA
20	FOIL-20-240	12'	240	1.0	240	\$297.00	\$237.00
25	FOIL-25-240	15'	300	1.25	192	\$319.00	\$297.00
40	FOIL-40-240	24'	480	2.0	120	\$449.00	\$444.50
50	FOIL-50-240	30'	600	2.5	96	\$569.00	\$555.50
60	FOIL-60-240	36'	720	3.0	80	\$689.00	\$666.00
70	FOIL-70-240	42'	840	3.47	69	\$799.00	\$777.00
95	FOIL-95-240	57'	1140	4.70	51	\$1,069.00	\$1,056.50
115	FOIL-115-240	69'	1380	5.71	42	\$1,199.00	\$1,180.50
130	FOIL-130-240	78'	1560	6.48	37	\$1,389.00	\$1,334.50
140	FOIL-140-240	84'	1680	7.05	34	\$1,499.00	\$1,437.50

Code	Optional Insulation	Canada	USA	See Page
SOFT-WIB-1/4	Warmup Insulation Underlay 270 sqft rolls.	\$599.00	\$504.00	33

Code	Accessories	Canada	USA
M-DGMTR	The Alligator Tester - Digital Multimeter.	\$25.00	\$20.00
RELAY-25	General purpose 25A/240V relay used to expand the switching capability of the Warmup thermostats. Mounts in single gang box.	\$104.00	\$82.50
DCM-SP-10K	Additional Floor Sensor for the 4iE®.	\$26.00	\$21.00
TAPE-AL	Aluminum Foil Tape for grounding. Sold in 90ft roll.	\$27.00	\$21.00



FOIL Layout Example



Did You Know?

Warmup offers a unique 24h CAD design service. Send us your layout to ussales@warmup.com and get a quote for FREE in 24hours, including a customized floor plan showing how to lay the heating system and product installation advice.

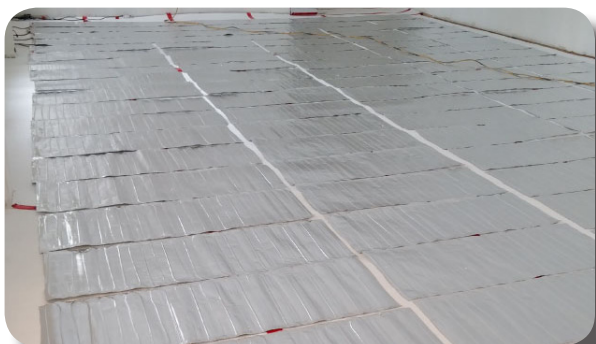


Case Study: The Yoga Hub – Belleville, ON

Shelagh and Phil approached Warmup® while setting out on an exciting business venture: remodeling a space into their dream yoga studio. Warmup® was happy to be considered as a contributor to the project.

The Challenge

Transform a commercial space into a state-of-the-art yoga studio that would inspire happy, healthy, and peaceful lives for their members.

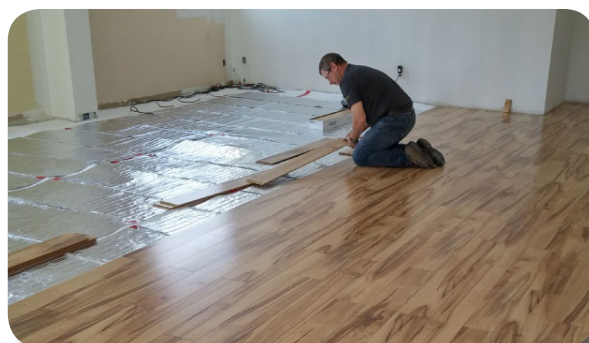


The Solution

After discussing the project with the Warmup Customer Experience Team, the decision was made to move from vinyl flooring finish to laminate flooring to cut down on installation time and efforts. Pergo® laminate floors were decided on. With the laminate finish, it was possible to proceed with the Warmup FOIL system, allowing for a dry installation that would ultimately take less time and material than the cable systems considered earlier for under vinyl flooring. Due to the large size of the studio, 41'x21', a Warmup 4iE® Smart WiFi thermostat was installed along with a Relay-25 to handle the total heater load of 34 amps on a single controller. As advised, heating mats were installed with a 4mm insulation layer (Soft WIB) following the below layout and a non-GFCI thermostat was used with a 30 mA GFCI breaker for code compliance.

The Result

The Yoga Hub, located in Belleville, Ontario celebrated their grand opening with warm floors! For the celebration, future members were welcomed in to enjoy drinks and refreshments as they viewed (and felt!) the studio for the first time. We look forward to hearing what Shelagh, Phil, and the members of their new studio think of the radiant floor heating in their practice space! Namaste.



[READ MORE CASE STUDIES ONLINE](#)

NADCM Loose Cable System for Wood Floors

Use under nailed hardwood floors

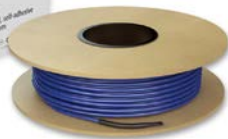
Warmup loose cable for hardwood has been tested by many wood suppliers and is the ideal solution for radiant heating under solid wood floors. Installed at 3" to 4" spacing between sleepers about 10" to 16" on center, it allows for a nailing surface to protect the cable from damage. Filling the gaps between sleepers with thinset or drypack creates the heat mass

necessary to provide gradual and safe heating throughout the hardwood floors.

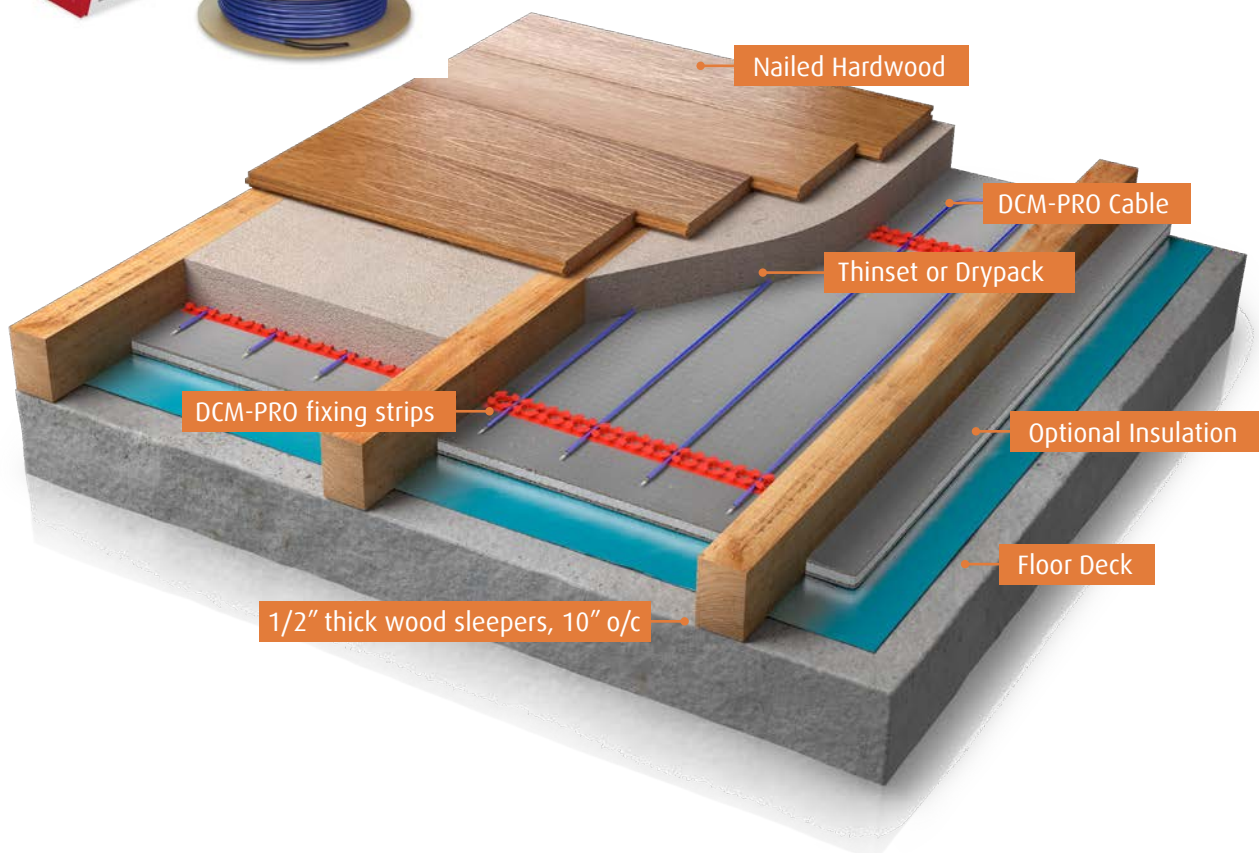
Electric floor heating systems do not affect moisture and will not impact your wood, unlike hydronic systems. It does not leak or freeze and is a tried and true solution in kitchens, basements, dining rooms and more.



DCM-PRO



Did you know Warmup thermostats are automatically calibrated with Max Temperatures when used under wood floors? This makes Warmup systems compatible with wood manufacturer warranties.





Code	Length (ft)	Resistance (Ω)	Amps	Membrane Spacing			Canada	USA
				Cable spaced at 2 pegs 3 pegs 4 pegs gives sq ft coverage of				
NADCM-C-120-65	16.7	221.5	0.54	3	5	7	\$199.00	\$158.50
NADCM-C-120-130	33.1	110.8	1.08	7	10	13	\$229.00	\$183.00
NADCM-C-120-195	49.9	73.8	1.62	10	15	20	\$258.00	\$206.00
NADCM-C-120-260	66.3	55.4	2.16	13	20	27	\$292.00	\$233.50
NADCM-C-120-325	83.0	44.3	2.70	17	25	33	\$321.00	\$256.50
NADCM-C-120-390	99.4	36.9	3.25	20	30	40	\$332.00	\$265.50
NADCM-C-120-525	132.9	27.4	4.37	27	40	53	\$390.00	\$312.00
NADCM-C-120-655	166.0	22.0	5.45	33	50	67	\$449.00	\$358.50
NADCM-C-120-785	199.1	18.3	6.55	40	60	80	\$504.00	\$403.00
NADCM-C-120-920	232.3	15.6	7.69	47	70	93	\$561.00	\$448.50
NADCM-C-120-1050	265.4	13.7	8.75	53	80	107	\$620.00	\$496.00
NADCM-C-120-1180	298.6	12.2	9.83	60	90	120	\$680.00	\$543.50
NADCM-C-120-1315	331.7	11.0	10.90	67	100	133	\$735.00	\$588.00
NADCM-C-120-1445	364.8	10.0	12.00	73	110	147	\$794.00	\$634.50
NADCM-C-120-1575	398.0	9.1	13.18	80	120	160	\$851.00	\$680.50
NADCM-C-240-325	83.0	177.2	1.35	17	25	33	\$321.00	\$256.50
NADCM-C-240-390	99.4	147.7	1.62	20	30	40	\$332.00	\$265.50
NADCM-C-240-525	132.9	109.7	2.18	27	40	53	\$390.00	\$312.00
NADCM-C-240-655	166.0	87.9	2.73	33	50	67	\$449.00	\$358.50
NADCM-C-240-785	199.1	73.4	3.26	40	60	80	\$504.00	\$403.00
NADCM-C-240-920	232.3	62.6	3.83	47	70	93	\$561.00	\$448.50
NADCM-C-240-1050	265.4	54.9	4.37	53	80	107	\$620.00	\$496.00
NADCM-C-240-1180	298.6	48.8	4.91	60	90	120	\$680.00	\$543.50
NADCM-C-240-1310	331.7	44	5.45	67	100	133	\$735.00	\$588.00
NADCM-C-240-1640	414.7	35.1	6.83	83	125	167	\$899.00	\$702.00
NADCM-C-240-1970	497.7	29.2	8.21	100	150	200	\$999.00	\$879.50
NADCM-C-240-2300	580.7	25.0	9.60	117	175	233	\$1,099.00	\$967.50
NADCM-C-240-2630	663.4	21.9	10.95	133	200	266	\$1,155.00	\$1,004.00
NADCM-C-240-2955	746.4	19.5	12.30	150	225	300	\$1,214.00	\$1,074.50
NADCM-C-240-3240	829.4	17.8	13.48	167	250	333	\$1,277.00	\$1,181.50

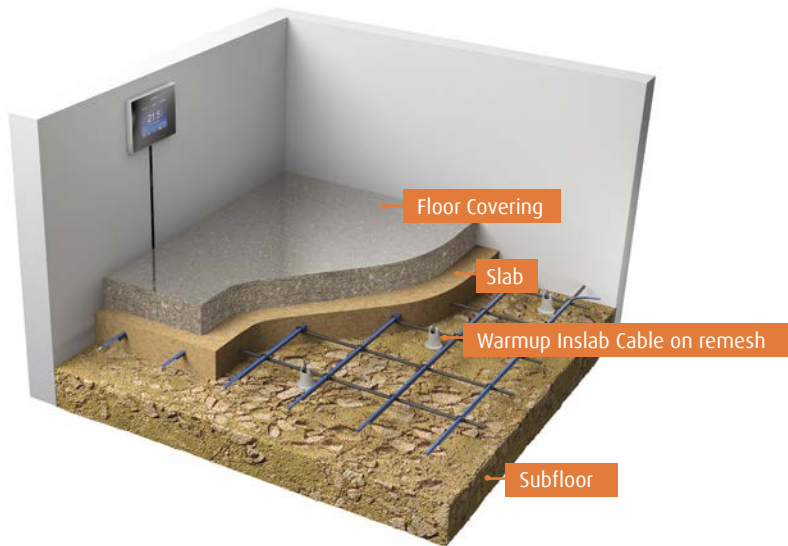
Code	Accessories	Canada	USA
M-DGMTR	The Alligator Tester - Digital Multimeter.	\$25.00	\$20.00
REPAIR-INDOORS	Repair kit for 120/240V systems: REPAIR-ENDCAP, REPAIR-JOINT.	\$12.00	\$10.00
DCM-SP-10K	Additional Floor Sensor for the 4iE®.	\$26.00	\$21.00
RELAY-25	General purpose 25A/240V relay used to expand the switching capability of the Warmup thermostats. Mounts in single gang box.	\$104.00	\$82.50
PLG-DCM-12	Plastic fixing strips - Strips are 12" long with spacing available on 1" increments. Approximately 3/16" thick. Box of 40.	\$55.00	\$45.50

WODH In-slab cable

Cable System for Slab Pours up to 6"

The Warmup In-Slab cable System is designed for use within a concrete slab. The cable spacing can be altered to fit the heating requirements and the thickness of the slab. Warmup WODH cables provide 20W per sqft or up to 70 BTUs per hour and easily

replace water-based applications. With an electric system there is no boiler, no pump, no manifolds and no maintenance required. It is the ideal solution for builders and remodelers in basements and room additions.



Cable length	Code	Cable spaced at 3" 4" 5" gives sq ft coverage of			Wattage	Amps	Resistance (Ω)	Canada	USA
		3"	4"	5"					
93	WODH-D-240V-18W/500	24	30	39	500	2.1	114.30	\$344.00	\$274.50
176	WODH-D-240V-18W/950	44	59	74	950	4.0	60.00	\$524.00	\$418.50
250	WODH-D-240V-18W/1300	62	84	104	1300	5.4	44.40	\$604.00	\$482.50
315	WODH-D-240V-18W/1700	76	104	130	1700	7.1	33.80	\$763.00	\$610.50
437	WODH-D-240V-18W/2400	105	146	182	2400	10.0	24.00	\$1,023.00	\$818.00
625	WODH-D-240V-18W/3400	155	210	260	3400	14.2	16.90	\$1,225.00	\$980.00

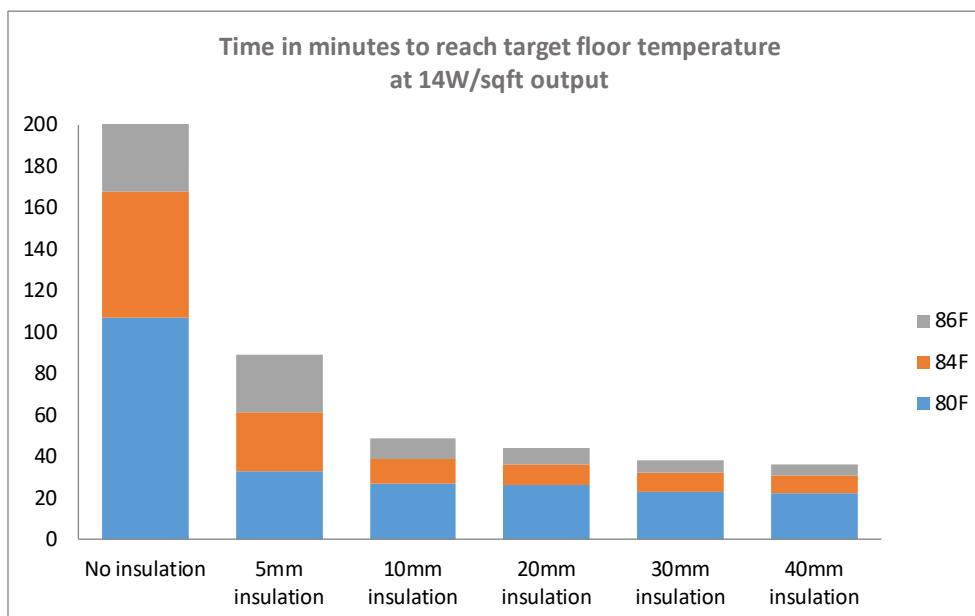
Code	Accessories	Canada	USA
M-DGMTR	The Alligator Tester Digital Multimeter.	\$25.00	\$20.00
REPAIR-OUTDOORS	Repair kit for 120/240V systems: REPAIR-ENDCAP, REPAIR-JOINT.	\$12.00	\$10.00
DCM-SP-10K	Additional Floor Sensor for the 4iE®	\$26.00	\$21.00
RELAY-25	General purpose 25A/240V relay used to expand the switching capability of the Warmup thermostats. Mounts in single gang box.	\$104.00	\$82.50
USM-FB1	Metal fixing strips to fix the heating cable - 83 ft long.	\$131.00	\$105.00
NAMSR-ZT-100	Bag of 100 Heavy Duty Zip Ties. 7" long. For use with WSM, WODH and NAMSR cable series. 50lbs load bearing capacity.	\$34.50	\$27.60

Insulation is the key to an
efficient Primary Heat Source

Insulation Boards Under Tile

Warmup coated Insulation Boards are an important element when installing underfloor heating. They provide the foundation to lay the heating system.

The insulation improves the response time and heat retention within the room, reducing energy consumption and carbon emissions.



**78%
FASTER**

**71%
COST
SAVINGS**



Insulation Underlay For Wood Floors

Warmup Insulation Underlay is a thin polystyrene insulation barrier with effective acoustic properties to reduce contact noise.

It sits between the cold subfloor and Warmup FOIL Heating System, prevents heat loss and makes the underfloor heating system more efficient and effective. The Foil backing acts as an effective moisture barrier.



Code	Description	Canada	USA
WIB-4x2-1/4	Insulated backer boards. Dimensions: 2'x4'x1/4". USA box of 6 boards 48sqft. Canada box of 8 boards 64sqft.	\$229.00	\$231.00
WIB-S5/8	5/8" screws for WIB Installation. Sold in box of 100/ct.	\$39.00	\$31.00
WIB-W1/4	Washers w/o tabs for 1/4" WIB Installation. Sold in box of 100/ct.	\$42.00	\$33.00
WIB-SEALANT	Sealant for WIB seams and screws/washers. Required in wet areas only. One tube covers 6 boards.	N/A	\$29.00
SOFT-WIB-1/4	Warmup Insulation Underlay 270 sqft rolls	\$599.00	\$504.00

Smart Devices



4iE® Smart WiFi Thermostat

For Electric Radiant Heating and Baseboard applications

Always at the right temperature, home or away

The 4iE® does not require programming. It works with your smartphone to ensure your home is always at the temperature you want, just as you arrive and uses more efficient temperatures when you are away.

If you want to use a conventional program or just want to make a quick change, the MyHeating app is simple and easy to use.

The most efficient settings for your home

The 4iE® learns how you use your heating and the unique way that your home responds to changes in temperature to calculate more efficient settings.

You will get tips with advice on comfortable temperatures that use less energy and the optimal times to turn the heating off early and still stay warm, **saving up to 25% on your heating usage.**

4iE® Smart Thermostat

NEW!

● 4iE® Horizontal or Portrait

● 4iE® with or without WiFi

● 4iE® Black or White



Tempo® Programmable Thermostat - Non GFCI



- **Simplicity:** Enables you to choose the time as easily as they would with a watch or clock and quickly set programs - heat on when you want it and off when you don't need it.
- **Compatibility** with all of Warmup's 120/240V range
- Clear screen displaying program details
- Easy control with dial and sliders



Thermostat Pricing

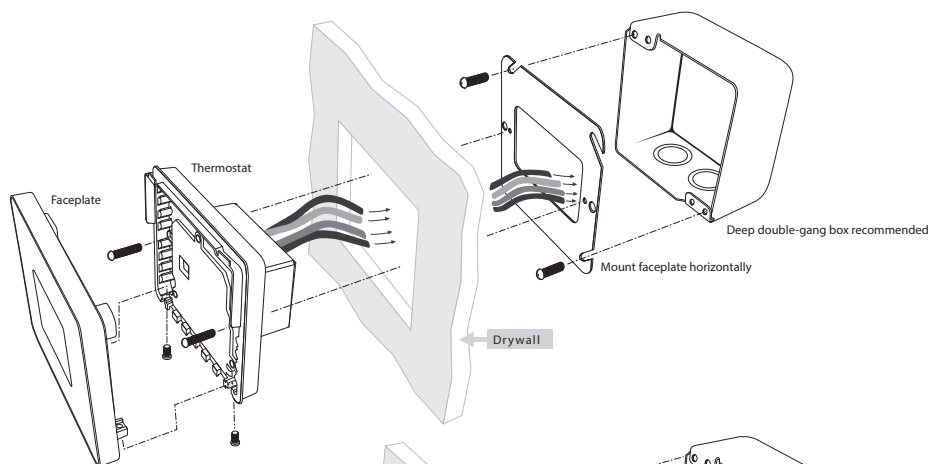
Code	Orientation	Color	WiFi/ Non WiFi	Max Load	Canada	USA
4iE-03BL	Horizontal	Black	Non WiFi	15A	\$249.00	\$223.00
4iE-03WH	Horizontal	White	Non WiFi	15A	\$249.00	\$223.00
4iE-04BL	Horizontal	Black	WiFi	15A	\$309.00	\$289.00
4iE-04WH	Horizontal	White	WiFi	15A	\$309.00	\$289.00
4iE-V03-BL-01	Portrait	Black	Non WiFi	15A	\$249.00	\$223.00
4iE-V03-WH-01	Portrait	White	Non WiFi	15A	\$249.00	\$223.00
4iE-V04-BL-01	Portrait	Black	WiFi	15A	\$309.00	\$289.00
4iE-V04-WH-01	Portrait	White	WiFi	15A	\$309.00	\$289.00
DCM-SP-10K*	N/A	White	N/A	N/A	\$26.00	\$21.00
TEMPO-CW-01	Horizontal	White	Non WiFi	15A	\$175.00	\$149.50

*all thermostat boxes include one floor sensor DCM-SP-10K

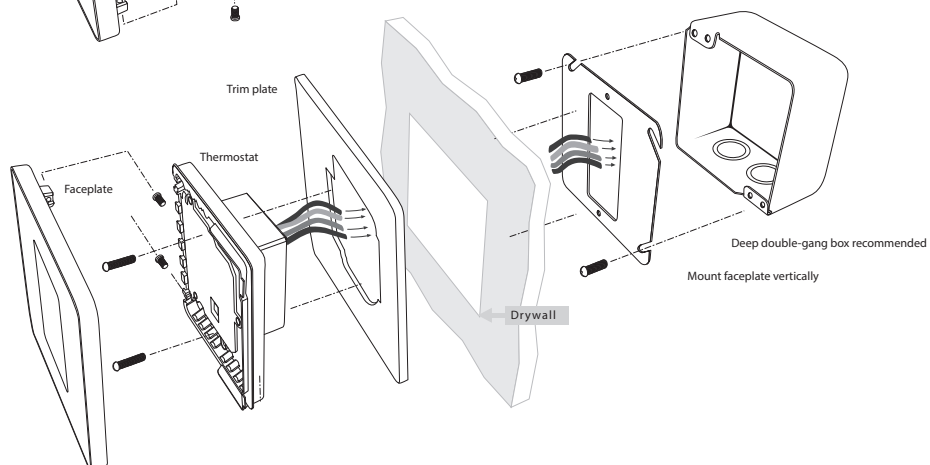
**all 4iE® models have a built-in Class A GFCI and can operate systems at 120, 208 or 240V, via ambient and floor sensor.

Thermostat installation

Horizontal



Portrait



Bathroom Collection

Turn Your Bathroom into a Spa™

Mirror defoggers

Little things that make all the difference.

- Available in 6 sizes
- Adhesive backed
- Easy to install
- Fog free mirror in seconds
- Fits most mirrors
- Low running cost
- Connects to existing lighting circuit



Code	Description	Shape	Wattage	Canada	USA
MD1624	Mirror Defogger Pads 16 x 24	Rectangular	80W	\$93.00	\$74.50
MD1826	Mirror Defogger Pads 18 x 26	Rectangular	80W	\$109.00	\$87.00
MD2432	Mirror Defogger Pads 24 x 32	Rectangular	80W	\$152.50	\$122.00
MD15	Mirror Defogger Pads 15"	Circular	40W	\$62.00	\$49.50
MD20	Mirror Defogger Pads 20"	Circular	40W	\$109.00	\$87.00
MD25	Mirror Defogger Pads 25"	Circular	40W	\$147.50	\$118.00



Electric Towel Warmers

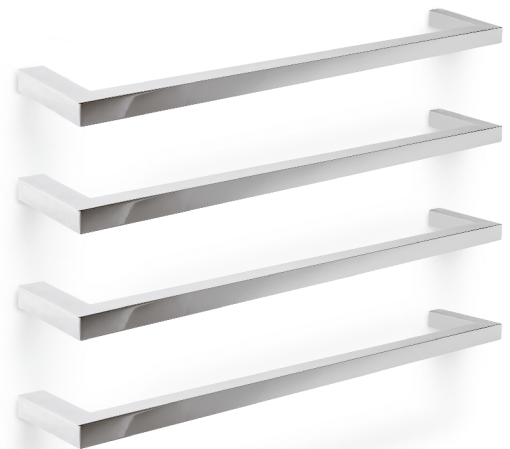
Wrap yourself in pure comfort

Liberty Single bars

Available in Polished Stainless (round), Brushed Stainless (square) and Matte Black (round and square).



Round tubes
TW001



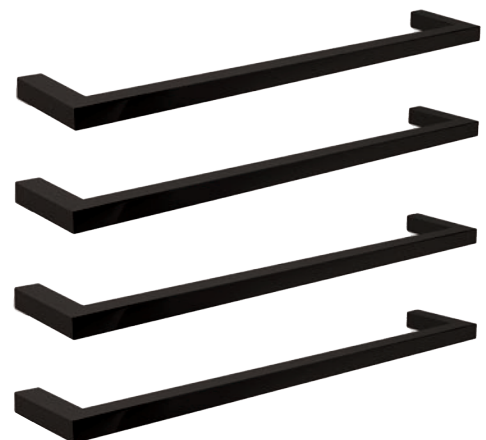
Square tubes
TW002

NEW!



Round tubes
TW001B

NEW!



Square tubes
TW002B

Liberty Single bars									
Code	Description	Tube Shape	Bars	Width in mm	Depth in mm	Width centres in mm	Wattage	Canada	USA
TW001	Single bar - Polished	Round	1	600	110	575	9W	\$144.00	\$114.50
TW002	Single bar - Brushed	Square	1	600	110	575	9W	\$159.00	\$126.50
TW001B	Single bar - Black	Round	1	600	110	575	9W	\$144.00	\$114.50
TW002B	Single bar - Black	Square	1	600	110	575	9W	\$159.00	\$126.50
TW00X	Single bar fixing kit	Order with each set of 4 bars.							

You can operate any number of bars on a light switch or thermostat. With 10 bars pulling approximately 1 amp/120V, there is virtually no limit as to how many bars you can connect.

Warmup does recommend a minimum of 4 bars to effectively function as a towel warmer.



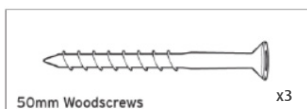
Features

- All bars are 24" wide (600mm) and 4" deep (110mm)
- All bars are right hand hard wire connection
 - 6mm drill bit included
- Round tubes: TW001, TW001B
- Square tubes: TW002, TW002B
- Select number of bars, minimum of 4.

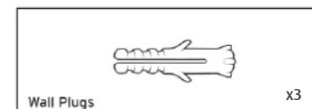
TW00X single bar fixing kit



1



2



Times Square

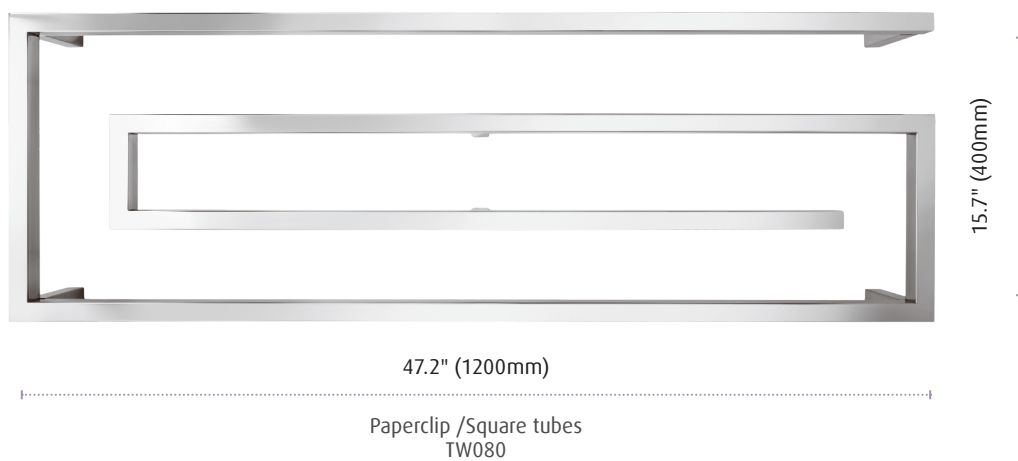
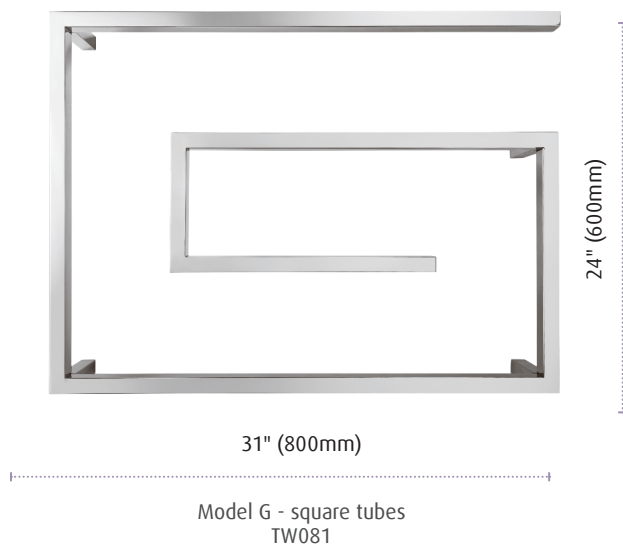
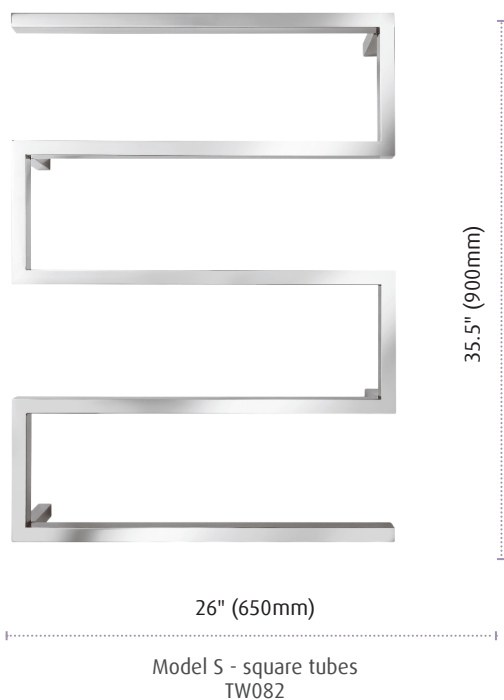
Available in Brushed Stainless Steel.



Times Square										
Code	Tube shape	Bars	Height in mm	Width in mm	Depth in mm	Width Centres	Vertical Centres	Wattage	Canada	USA
TW107	Square	7	920	620	120	595	720	80W	\$579.00	\$462.50
TW110	Square	10	1340	620	120	595	1140	110W	\$746.00	\$596.50

Designer Square

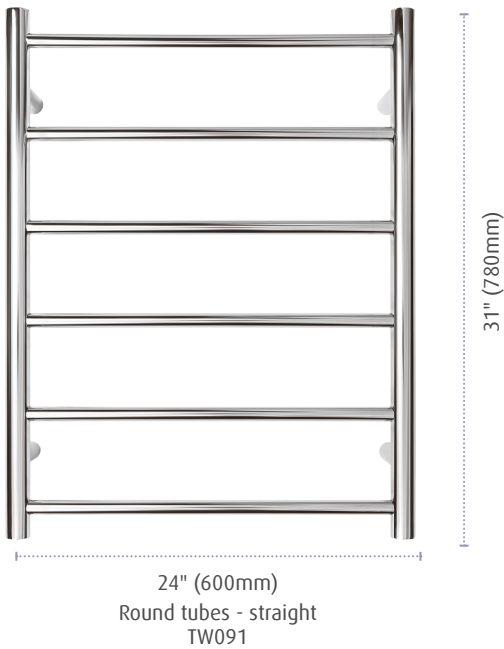
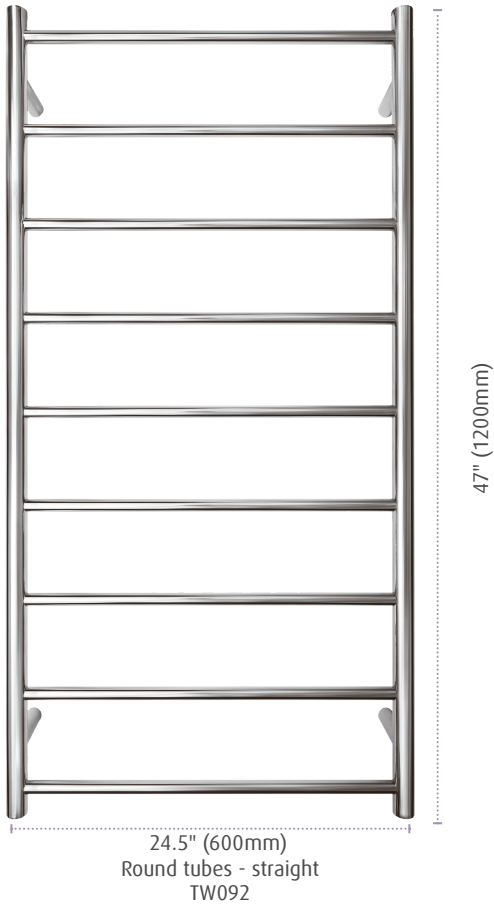
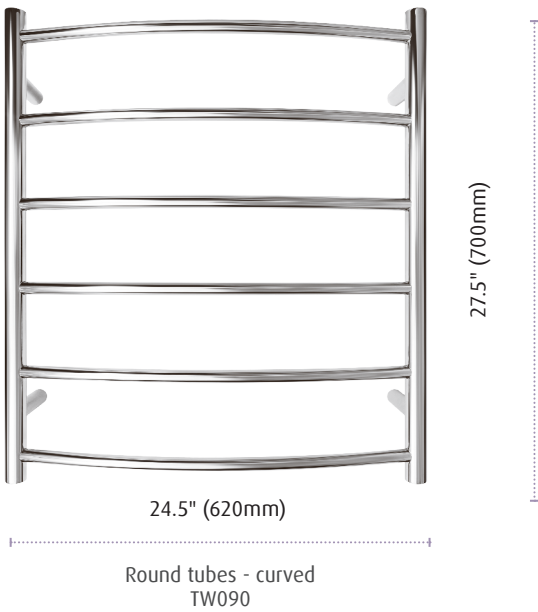
Available in Polished Stainless Steel



Designer Square											
Code	Description	Tube Shape	Bars	Height in mm	Width in mm	Depth in mm	Width centres in mm	Vertical centres in mm	Wattage	Canada	USA
TW080	Paper clip	Square	4	600	800	115	765	575	60W	\$1,198.00	\$958.00
TW081	Model G	Square	4	400	1200	115	1165	255	80W	\$1,029.00	\$823.00
TW082	Model S	Square	5	900	650	115	-	-	60W	\$1,089.00	\$870.50

Chelsea Round

Available in Stainless Steel with Polished or Matte Black finishes.



NEW!



Chelsea Round

Code	Description	Tube Shape	Bars	Height in mm	Width in mm	Depth in mm	Width centres in mm	Vertical centres in mm	Wattage	Canada	USA
TW090	Curved	Round	6	700	620	150	590	500	60W	\$553.00	\$442.00
TW091	Straight	Round	6	780	600	120	570	1000	60W	\$461.00	\$368.50
TW091B	Straight	Round	6	780	600	120	570	1000	60W	\$461.00	\$368.50
TW092	Straight	Round	9	1200	600	120	570	550	90W	\$599.00	\$479.00



Outdoor Heating

Snow Melting

Roof and Gutter De-icing

Pipe Freeze Control



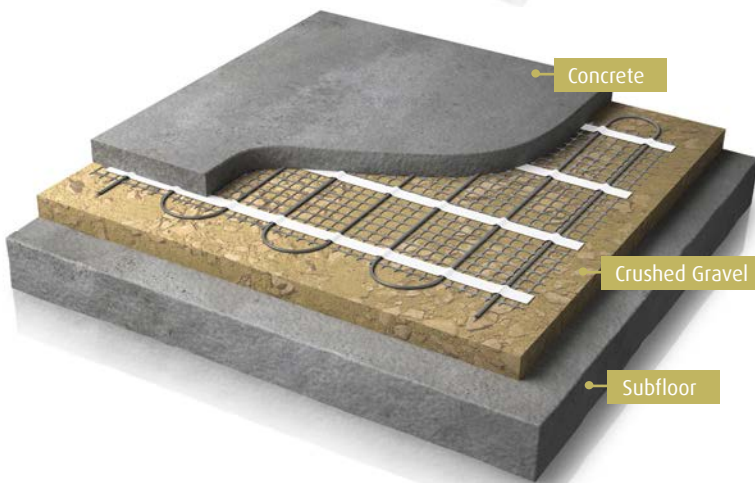
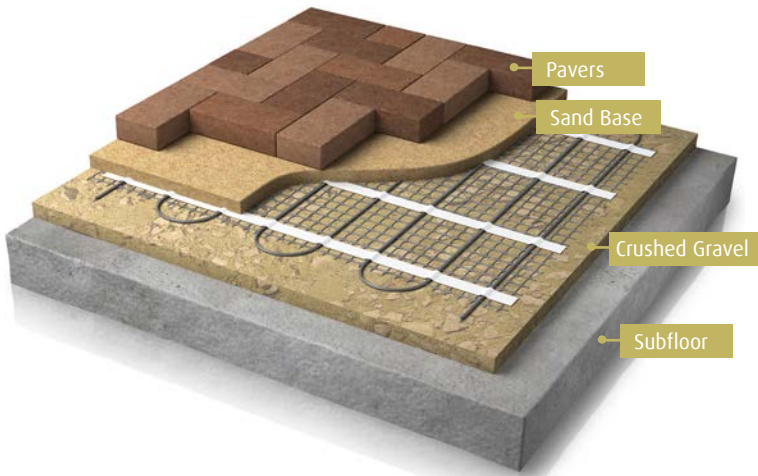
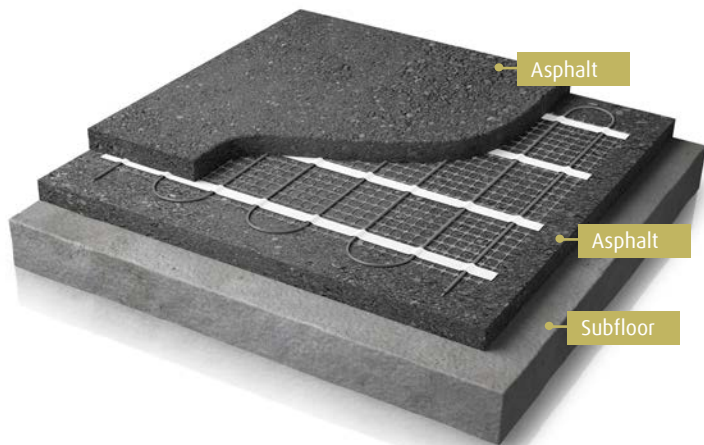
Heating Cables and Mats from Warmup are very simple and cost-effective solutions to melt the snow on steps, walkways and driveways.

Whether for convenience or protection against liability, Warmup can help clear snow and ice with a very simple combination of heating cables and controls. Warmup systems can be installed under concrete, pavers or asphalt.

Snow Melting Mats

Warmup systems are ideal to provide snow-free access to the house and prevent injuries on stairs and walkways.

They are commonly used in concrete pours, asphalt driveways and paved walkways.



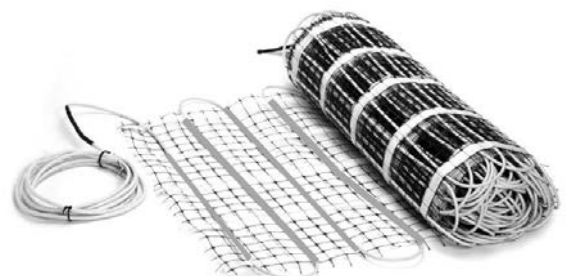
Mats are 2ft or 3ft wide and with a 3" cable spacing providing 50w/sqft for optimum results under even the harshest conditions.

FEATURES & BENEFITS

- Versatile installation in asphalt, concrete or under pavers
- Flexible cable: quick and easy to install in every configuration
- Dual conductor cable, one-point connection
- Available in a wide range of lengths to suit your requirements

TECHNICAL DATA

- Operating voltage: 208, 240, 277 and 480V
- Output rating: 50W/sqft at 240V
- Energy efficient twin-conductor heating cable of 1/4"
- Rated to a maximum temperature of 464°F (240°C) under asphalt pours
- Cold tail length: 16'4"
- 10-Year Warranty





Voltage	Area (sqft)	Code	Mat Length (ft)	Wattage	Amps	Resistance (Ω)	Canada	USA
240V*	10	WSMM-D-240V-540W/500	5	500	2.1	115.20	\$272.00	\$217.50
	20	WSMM-D-240V-540W/1000	10	1000	4.2	57.60	\$374.00	\$298.50
	30	WSMM-D-240V-540W/1500	15	1500	6.3	38.40	\$502.00	\$401.00
	40	WSMM-D-240V-540W/2000	20	2000	8.33	28.80	\$574.00	\$459.00
	50	WSMM-D-240V-540W/2500	25	2500	10.43	23.00	\$662.00	\$529.00
	60	WSMM-D-240V-540W/3000	30	3000	12.5	19.20	\$748.00	\$598.50
	70	WSMM-D-240V-540W/3500	35	3500	14.6	16.46	\$858.00	\$686.50
	80	WSMM-D-240V-540W/4000	40	4000	16.7	14.40	\$969.00	\$775.00
	90	WSMM-D-240V-540W/4500	45	4500	18.8	12.80	\$1,052.00	\$841.50
	100	WSMM-D-240V-540W/5000	50	5000	20.86	11.50	\$1,195.00	\$956.00
	120	WSMM-D-240V-540W/6000	60	6000	25.0	9.60	\$1,309.00	\$1,127.00

Voltage	Area (sqft)	Code	Mat Length (ft)	Wattage	Amps	Resistance (Ω)	Canada	USA
240V*	30	WSMM-D-240V/3x10	10	1500	6.3	38.4	\$502.00	\$401.00
	60	WSMM-D-240V/3x20	20	3000	12.5	19.2	\$748.00	\$598.50
	75	WSMM-D-240V/3x25	25	3750	15.6	15.6	\$886.00	\$708.50
	90	WSMM-D-240V/3x30	30	4500	18.8	12.8	\$1,052.00	\$841.50
	120	WSMM-D-240V/3x40	40	6000	25.0	9.6	\$1,309.00	\$1,127.00

*all mats can be connected to 208V and 240V, single phase and 3 phase power. Please check our Technical Data Sheets for variations to Wattage output and Amperage Load under different Voltages.

Voltage	Area (sqft)	Code	Mat Length (ft)	Wattage	Amps	Resistance (Ω)	Canada	USA
480V	30	WSMM-D-480V-540W/1500	15	1500	3.12	153.84	N/A	\$401.00
	40	WSMM-D-480V-540W/2000	20	2000	4.16	115.38	N/A	\$459.00
	60	WSMM-D-480V-540W/3000	30	3000	6.25	76.8	N/A	\$598.50
	80	WSMM-D-480V-540W/4000	40	4000	8.33	57.62	N/A	\$775.00
	120	WSMM-D-480V-540W/6000	60	6000	12.50	38.40	N/A	\$1,105.50

Code	Accessories	Canada	USA
NAMEPLATE-4x6	Branded Name Plate for use with Warmup Snow Melt Heater installations (NEC426-13).	\$49.00	\$39.00
M-DGMTR	The Alligator Tester - Digital Multimeter.	\$25.00	\$20.00
REPAIR-OUTDOORS	Repair kit for 120/240V systems	\$10.00	\$10.00
M-MEG	Warmup's Digital Mega-Ohmmeter is used to track Insulation Resistance for installation Accuracy and Warranty Purposes.	\$223.40	\$197.80
NAMSR-ZT-100	Bag of 100 Heavy Duty Zip Ties. 7" long. For use with WSM, WODH and NAMSR cable series. 50lbs load bearing capacity.	\$34.50	\$27.60

For controls, see p.58

Snow Melting Cables

For custom layouts and spacing under concrete, pavers and asphalt pours.

Snow Melting Cables are the loose equivalent of the Mats. The cables are reinforced with advanced fluoropolymer coatings to form a cable jacket that can withstand traffic and setting material. Warmup's

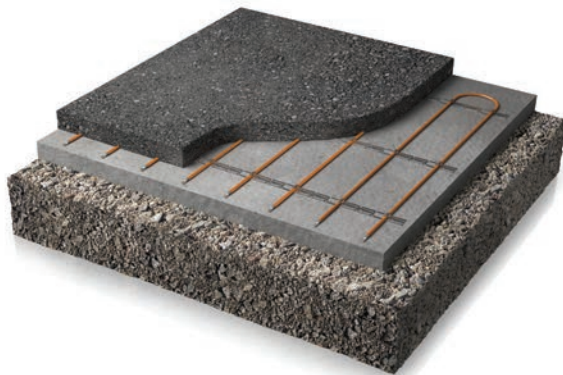
Cables are completely grounded and safe for installation under asphalt, pavers and concrete. Choose the loose format for stairs and off-shaped areas, and combine with Mats wherever necessary.

FEATURES & BENEFITS

- Versatile installation in asphalt, concrete or under pavers
- Flexible cable: quick and easy to install in every configuration
- Dual conductor cable, one-point connection
- Available in a wide range of lengths to suit your requirements

TECHNICAL SPECIFICATIONS

- Operating voltage: 208, 240, 277 and 480V
- Output rating: 12W / linear foot at 240V
- Energy efficient twin-conductor heating cable of 1/4"
- Rated to a maximum temperature of 464°F (240°C) for asphalt pours
- Cold tail length: 16' 4"
- 10-Year Warranty





Voltage	Length (ft)	Code	Cable spaced at 3" 4" 5" gives sq ft coverage of			Wattage	Amps	Resistance (Ω)	Canada	USA
240V*	84	WSM-D-240V-40W/1000	20	27	34	1000	4.2	57.1	\$279.00	\$223.00
	168	WSM-D-240V-40W/2000	43	57	72	2000	8.3	28.9	\$445.00	\$356.00
	209	WSM-D-240V-40W/2500	51	67	84	2500	10.4	23.1	\$532.00	\$424.00
	251	WSM-D-240V-40W/3000	62	84	104	3000	12.5	19.2	\$614.00	\$491.00
	330	WSM-D-240V-40W/4000	85	110	135	4000	16.90	14.2	\$782.00	\$625.00
	420	WSM-D-240V-40W/5000	100	140	170	5000	20.86	11.5	\$949.00	\$759.00
	500	WSM-D-240V-40W/6000	122	181	200	6000	25.0	9.6	\$1,110.00	\$888.00

*all mats can be connected to 208V and 240V, single phase and 3 phase power. Please check our Technical Data Sheets for variations to Wattage output and Amperage Load under different Voltages.

Voltage	Length (ft)	Code	Wattage	Amps	Resistance (Ω)	Canada	USA
480V	84	WSM-D-480V-40W/1000	1000	2.08	230.77	N/A	\$236.00
	209	WSM-D-480V-40W/2500	2500	5.20	92.30	N/A	\$449.00
	342	WSM-D-480V-40W/4000	4000	8.33	57.62	N/A	\$662.00
	500	WSM-D-480V-40W/6000	6000	12.50	38.4	N/A	\$941.00

Code	Accessories	Canada	USA
NAMEPLATE-4x6	Branded Name Plate for use with Warmup Snow Melt Heater installations (NEC426-13).	\$49.00	\$39.00
REPAIR-OUTDOORS	Repair kit for 120/240V systems.	\$10.00	\$10.00
M-DGMTR	The Alligator Tester - Digital Multimeter.	\$25.00	\$20.00
USM-FB1	Metal fixing strips to fix the heating cable - 83 ft long.	\$131.00	\$105.00
NAMSR-ZT-100	Bag of 100 Heavy Duty Zip Ties. 7" long. For use with WSM, WODH and NAMSR cable series. 50lbs load bearing capacity.	\$34.50	\$27.60

For controls, see p.58



Roof and Gutter De-Icing Systems

Self-regulating Cable

Warmup's self-regulating roof deicing cables are heavy-duty cables that will ensure performance under the most challenging conditions. Ice dams can lead to water seeping and interior damage, falling ice and snow on sidewalks.

We have designed the right systems to protect your roofs, gutters and downspouts from damage or injury caused by ice.

Our self-regulating cable will vary its output based on ambient temperature. This reduces consumption costs by requiring just the amount of heat needed to get the job done.

With simple plug-in kits for residential use and large spools for engineered systems and commercial buildings, we look forward to being a part of your project.

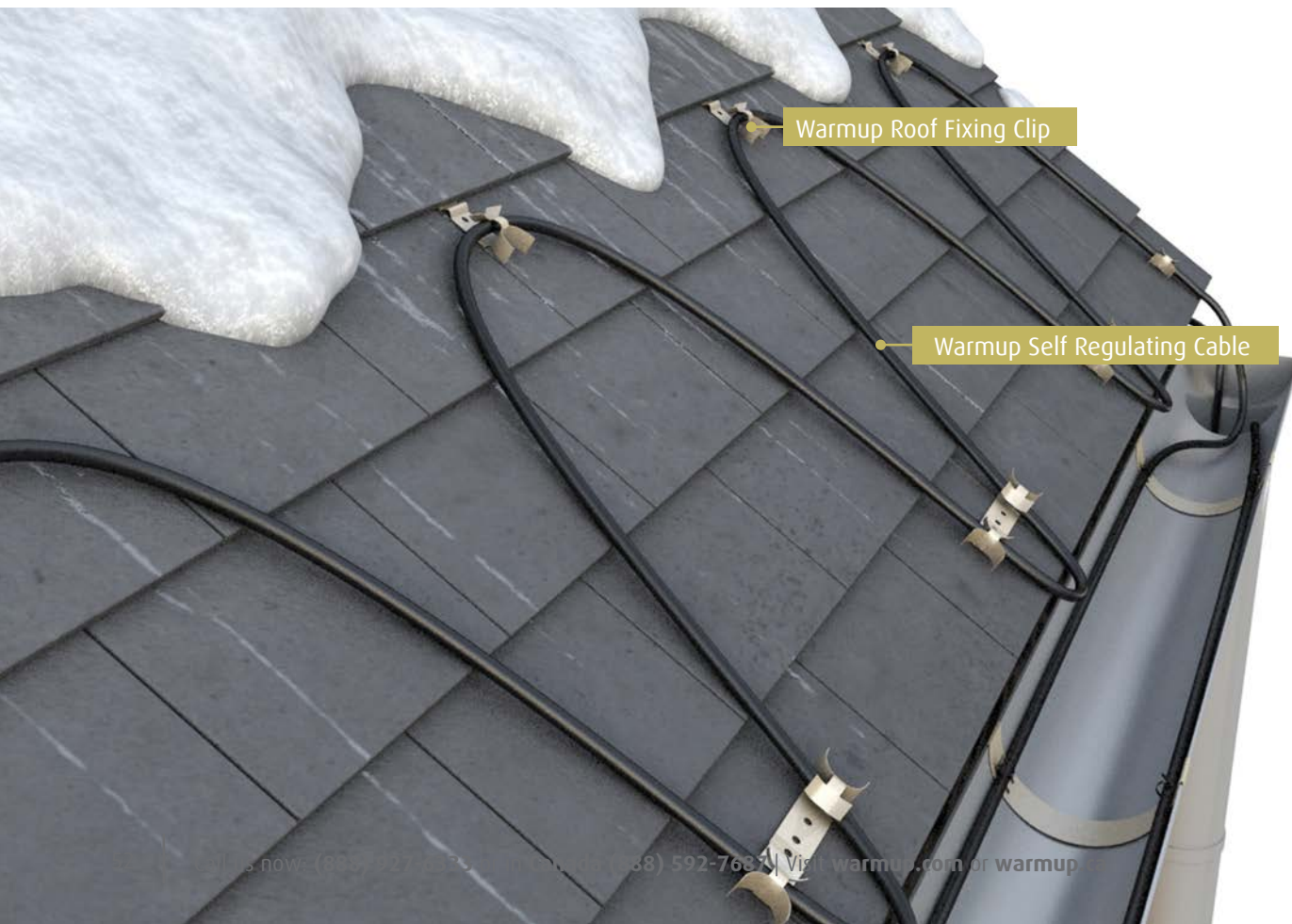
FEATURES & BENEFITS

- Self-regulating cable for cost-efficient operation
- Automatic controls to trigger heating only when needed
- Fits on all roof types with a full range of accessories
- Carries a 10-year warranty



TECHNICAL SPECIFICATIONS

- Commercial Grade, 16 AWG Buss Wire
- Standard Braid with overjacket for wet & dry locations
- Circuit lengths up to 540ft
- 5W/ft at 50°F output and 8W at 32°F
- Available in 120V and 208-277 Volts



Warmup Roof Fixing Clip

Warmup Self Regulating Cable



	Code	Description	Canada	USA
120V	NAMSR-5W-120-250	Self-Regulated 16GA Cable, 120V, 5W/linear foot. Sold in 250' length spools.	\$2,166.00	\$1,732.50
	NAMSR-8W-120-250	Self-Regulated 16GA Cable, 120V, 8W/linear foot. Sold in 250' length spools.	\$2,166.00	\$1,732.50
	NAMSR-5W-120-1000	Self-Regulated 16GA Cable, 120V, 5W/linear foot. Sold in 1000' length spools.	\$8,662.00	\$6,929.50
	NAMSR-8W-120-1000	Self-Regulated 16GA Cable, 120V, 8W/linear foot. Sold in 1000' length spools.	\$8,662.00	\$6,929.50
240V	NAMSR-5W-240-250	Self-Regulated 16GA Cable, 208-277V, 5W/linear foot. Sold in 250' length spools.	\$2,166.00	\$1,732.50
	NAMSR-8W-240-250	Self-Regulated 16GA Cable, 208-277V, 8W/linear foot. Sold in 250' length spools.	\$2,166.00	\$1,732.50
	NAMSR-5W-240-1000	Self-Regulated 16GA Cable, 208-277V, 5W/linear foot. Sold in 1000' length spools.	\$8,662.00	\$6,929.50
	NAMSR-8W-240-1000	Self-Regulated 16GA Cable, 208-277V, 8W/linear foot. Sold in 1000' length spools.	\$8,662.00	\$6,929.50
120V	NAMSRK-6FT	Self Regulating Kit with Plug, 6ft	\$103.00	\$82.00
	NAMSRK-12FT	Self Regulating Kit with Plug, 12ft	\$132.00	\$105.00
	NAMSRK-18FT	Self Regulating Kit with Plug, 18ft	\$162.00	\$129.50
	NAMSRK-24FT	Self Regulating Kit with Plug, 24ft	\$191.00	\$152.50
	NAMSRK-50FT	Self Regulating Kit with Plug, 50ft	\$339.00	\$271.00
	NAMSRK-75FT	Self Regulating Kit with Plug, 75ft	\$443.00	\$354.00
	NAMSRK-100FT	Self Regulating Kit with Plug, 100ft	\$546.00	\$436.50

Code	Description	Canada	USA
HANGER-KIT	Downspout Hanger for Self-Regulating Cable and Roof/Gutter heaters.	\$27.00	\$21.00
NAM-POWER-KIT	Power Connection Kit for Self-Regulating Cable. Includes 2*warning labels and 1*END-KIT.	\$87.00	\$69.00
ROOF-CLIP	Metal single roof clips packaged and sold 50 per pkg. Secure to roof with screws or Everseal SB-190 adhesive or similar.	\$140.00	\$112.00
SB-190	Versatile adhesive to apply the Warmup ROOF-CLIP on a variety of roof structures. It is water and weather proof with a 2,000 lbs tensile strength.	\$44.00	\$35.00
NAM-SPLICE-KIT	Splice/Tee Kit for Self-Regulating Cable.	\$61.50	\$49.00
NAM-END-KIT	End Seal Kit for Self-Regulating Cable.	\$27.00	\$21.50
CRDS-15-GFI	6ft lead with GFCI 3-prong molded plug, NEMA 5-15, 15 amp, 14/3.	\$111.00	\$88.50
SPEEDFIT-BOX	Power connection junction box (6x6x3) with Pipe-Mounting Bracket for Self-Regulating connections.	\$275.00	\$220.50
SPEEDFIT-SPLICE	In-line splicing box for fast and weathertight connections in the field.	\$87.00	\$69.00
SPEEDFIT-TEE	3-Way T-splice box for fast and weathertight connections in the field.	\$94.00	\$75.00

For controls, see p.58

SPEEDFIT Connections for Self-Regulating Cable



Speedfit Box (SPEEDFIT-BOX)

As a standard, robust and corrosion resistant polyamide enclosures are supplied for use in safe (non-hazardous) or hazardous (Class1,Div.2) areas. When used in hazardous areas, the enclosures provide type EExe protection (increased safety) in “Electrical Apparatus for Potentially Explosive Atmospheres”.



Speedfit Splice Kit (SPEEDFIT-SPLICE)

This Low-Profile Speedfit Splice Kit is suitable for use with Warmup NAMSR self-regulating cable, to make splice and end seal connections. The kit contains materials for one splice kit. This kit does not provide a power connection: use WARMUP Power Connection Kit for a complete installation (NAM-POWER-KIT).



Speedfit Tee Kit (SPLICE-TEE)

This Low-Profile Speedfit Tee Kit is suitable for use with Warmup NAMSR self-regulating cable. The Speedfit Tee is used to create a “T” connection with 3 self-regulating cables. This application is found on tracing runs for water lines as well as a replacement for downspout runs in roof and gutter applications.



End Seal Kit (NAM-END-KIT)

The Warmup End Seal Kit is a solid termination kit for NAMSR self-regulating cables. Used on both Roof & Gutter and for Pipe-Freeze Protection applications, the End Seal Kit provides the installer with a solid, mechanical cable termination. It saves time and materials over traditional heat-shrinking techniques.

These connection kits must be installed according to NAMSR guidelines and minimum installation temperatures.



Code	Length in Feet	Canada	USA
SPEEDFIT-BOX	Power connection junction box (6x6x3) with Pipe-Mounting Bracket for Self-Reg connections.	\$275.00	\$220.50
SPEEDFIT-SPLICE	In-line splicing box for fast and weathertight connections in the field.	\$87.00	\$69.00
SPEEDFIT-TEE	3-Way T-splice box for fast and weathertight connections in the field.	\$94.00	\$75.00
NAM-END-KIT	End Seal Kit for Self-Regulating Cable.	\$27.00	\$21.50



Roof & Gutter De-icing Systems

WRGH Constant Wattage Kits.

The Warmup WRGH is a constant wattage roof de-icing system supplied in pre-terminated plug-in kits.

It is offered in sizes from 30ft to 240ft, from 150W to 1,200W. It is supplied with roof clips and spacers.

WRGH kits are sold pre-assembled with a 3-prong plug in order to provide a simple, DIY solution to resolve ice dams and snow accumulation on roof lines.

While spacing will impact the eventual output, the WRGH cables are designed for residential use.

For heavy-duty and commercial applications, please refer to the NAMS product range (p.56) from Warmup.

An optional WRS-2 Controller can be purchased to reduce usage and electrical draw when temperatures are above 40°F. It is highly recommended, to increase product life and to reduce risk of fires or burn outs.



WRS-2 Controller



TECHNICAL SPECIFICATIONS

- Not suitable for Pipe Freeze Protection
- Do not overlap or terminate cable
- Turn system off after the snow season
- Must be connected to GFCI protected outlet or breaker.

Code	Length in Feet	Wattage	Voltage	W/lin. ft	Canada	USA
WRGH-120-150	30	150	120	5	\$113.00	\$90.50
WRGH-120-300	60	300	120	5	\$145.00	\$116.50
WRGH-120-400	80	400	120	5	\$185.00	\$148.50
WRGH-120-500	100	500	120	5	\$205.00	\$164.50
WRGH-120-600	120	600	120	5	\$260.00	\$208.00
WRGH-120-800	160	800	120	5	\$304.00	\$243.00
WRGH-120-1000	200	1000	120	5	\$366.00	\$293.00
WRGH-120-1200	240	1200	120	5	\$399.00	\$319.00

Code	Description	Canada	USA
WRS-2	Moisture & Temperature Controller for Warmup WRGH Roof & Gutter De-icing Kits.	\$159.00	\$133.50

Pipe Freeze Protection

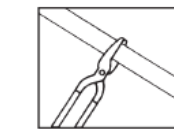
Self-regulating cable for indoor and outdoor applications

Available in cut-to-length spools or plug-in kits, the Warmup Cable is applicable on metal, PVC and ceramic pipes, sprinkler systems and sewer drains.

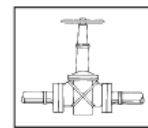
The nature of the Self-regulating Cable causes its output of 5 or 8 W/lin ft to vary automatically with the outside conditions, thereby guaranteeing the safeguard of ducts and pipes.

TECHNICAL SPECIFICATIONS

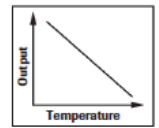
- Self-Regulating, Energy Efficient
- Output increases as temperature drops
- Commercial Grade, 16 AWG Buss Wire
- Approved for Wet and Dry locations
- Standard Braid with Overjacket
- Circuit lengths up to 540 feet
- 3, 5 and 8 Watts per lin ft @ 50°F
- 120, 208-277 Volts available from stock



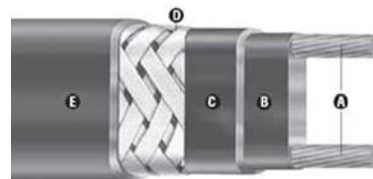
Cut to any length in field



Can be single overlapped



Self Regulating



CONSTRUCTION

- A. Buss Wires**
- B. Matrix**
- C. Jacket**
- D. Tinned Copper Braid**
- E. Overjacket**





	Code	Description	Canada	USA
120V spools	NAMSR-3W-120-250	Self-Regulated 16GA Cable, 120V, 3W/linear foot. Sold in 250' length spools.	\$2,166.00	\$1,732.50
	NAMSR-5W-120-250	Self-Regulated 16GA Cable, 120V, 5W/linear foot. Sold in 250' length spools.	\$2,166.00	\$1,732.50
	NAMSR-8W-120-250	Self-Regulated 16GA Cable, 120V, 8W/linear foot. Sold in 250' length spools.	\$2,166.00	\$1,732.50
	NAMSR-3W-120-1000	Self-Regulated 16GA Cable, 120V, 3W/linear foot. Sold in 1000' length spools.	\$8,662.00	\$6,929.50
	NAMSR-5W-120-1000	Self-Regulated 16GA Cable, 120V, 5W/linear foot. Sold in 1000' length spools.	\$8,662.00	\$6,929.50
	NAMSR-8W-120-1000	Self-Regulated 16GA Cable, 120V, 8W/linear foot. Sold in 1000' length spools.	\$8,662.00	\$6,929.50
240V spools	NAMSR-3W-240-250	Self-Regulated 16GA Cable, 120V, 3W/linear foot. Sold in 250' length spools.	\$2,166.00	\$1,732.50
	NAMSR-5W-240-250	Self-Regulated 16GA Cable, 208-277V, 5W/linear foot. Sold in 250' length spools.	\$2,166.00	\$1,732.50
	NAMSR-8W-240-250	Self-Regulated 16GA Cable, 208-277V, 8W/linear foot. Sold in 250' length spools.	\$2,166.00	\$1,732.50
	NAMSR-3W-240-1000	Self-Regulated 16GA Cable, 208-277V, 3W/linear foot. Sold in 1000' length spools.	\$8,662.00	\$6,929.50
	NAMSR-5W-240-1000	Self-Regulated 16GA Cable, 208-277V, 5W/linear foot. Sold in 1000' length spools.	\$8,662.00	\$6,929.50
	NAMSR-8W-240-1000	Self-Regulated 16GA Cable, 208-277V, 8W/linear foot. Sold in 1000' length spools.	\$8,662.00	\$6,929.50
120V Kits	NAMSRK-6FT	Self Regulating Kit with Plug, 6ft	\$103.00	\$82.00
	NAMSRK-12FT	Self Regulating Kit with Plug, 12ft	\$132.00	\$105.00
	NAMSRK-18FT	Self Regulating Kit with Plug, 18ft	\$162.00	\$129.50
	NAMSRK-24FT	Self Regulating Kit with Plug, 24ft	\$191.00	\$152.50
	NAMSRK-50FT	Self Regulating Kit with Plug, 50ft	\$339.00	\$271.00
	NAMSRK-75FT	Self Regulating Kit with Plug, 75ft	\$443.00	\$354.00
	NAMSRK-100FT	Self Regulating Kit with Plug, 100ft	\$546.00	\$436.50

Code	Description	Canada	USA
TAPE-AL	Aluminum Foil Tape for Self-Regulating Cable. Sold in 90ft roll.	\$27.00	\$21.00
NAM-POWER-KIT	Power Connection Kit for Self-Regulating Cable. Includes 2*warning labels and 1*END-KIT.	\$87.00	\$69.00
NAM-SPLICE-KIT	Splice/Tee Kit for Self-Regulating Cable.	\$61.50	\$49.00
NAM-END-KIT	End Seal Kit for Self-Regulating Cable.	\$27.00	\$21.50
SPEEDFIT-BOX	Power connection junction box (6x6x3) with Pipe-Mounting Bracket for Self-Reg connections.	\$275.00	\$220.50
SPEEDFIT-SPLICE	In-line splicing box for fast and weathertight connections in the field.	\$87.00	\$69.00
SPEEDFIT-TEE	3-Way T-splice box for fast and weathertight connections in the field.	\$94.00	\$75.00

For controls, see p.58

Outdoor Control Solutions

	VALUE SYSTEMS			
	TF115-005	ASE-DS5	ASE-DS9	WSM-63
System Design	Simple thermostatic controller to activate at fixed temperature. Switch 12A/120V or 22A/240V.	Wall-mounted controller with built-in sensor and 2x30A capacity (240V).	Wall-mounted controller with built-in sensor and 2x30A capacity (240V).	Timer panel with 252A capacity. Operate manually as Timer, or combine with optional sensors.
Snow Melting (WSM)		✓		✓
Roof & Gutter Deicing (NAMSRS)	✓		✓	✓
Freeze Protection (NAMSRS)	✓			✓
Mounts Indoors	✓			✓
Mounts Outdoors	✓	✓	✓	
Automatic Sensing	✓	✓	✓	
Sensor Type	Capillary	Built-in	Gutter	None
Rated Voltage	120/240V	240V	240V	240V
System Voltage	120-277V	208-277V	208-277V	208-600V
Load Capacity	16A @ 120V / 12A @ 240V	2 x 30A	2 x 30A	2 x 63A/4 pole
2-Zone Capability				
GFEP Built-in				
WiFi				
MSRP Canada	\$245.00	\$1,199.00	\$1,199.00	\$2,080.00
MSRP USA	\$195.50	\$965.00	\$965.00	\$1,663.50
Sensor Options				

Controllers

Code	Description	Canada	USA
USET02-4550	Programmable controller for roof and pavement applications, 115/230 VAC, 3 x 15 Amp dry contact.	\$1,125.00	\$899.00
TF115-005	Simple thermostatic controller to activate at fixed temperature. Switch 16A @ 120V / 12A @ 240V.	\$245.00	\$195.50
ASE-DS5	Wall-mounted controller with built-in sensor and 2x30A capacity (240V). For Snow Melting.	\$1,199.00	\$965.00
ASE-DS9	Wall-mounted controller with built-in sensor and 2x30A capacity (240V). For Roof & Gutter De-icing.	\$1,199.00	\$965.00
WSM-63	Timer panel with 252A capacity. Operate manually as Timer, or combine with optional sensors.	\$2,080.00	\$1,663.50
TRACE-2	GFEP protected 30A controller activates Heat Trace systems at defined temperatures.	\$1,890.00	\$1,512.00
RESIBOX-30	GFEP protected 30A controller activates Snow Melting systems. Use with CIT, GIT and AirSense sensors.	\$2,643.00	\$2,115.00
COMMBX-600	4x50A-3phase relays for this GFEP controller that can switch multiple zones. Plug-and-Play format.	\$7,402.50	\$5,922.00
WSM-252W	***NEW*** WiFi panel activates with the weather forecast and operates on Smartphone Application.	\$2,468.00	\$1,975.00

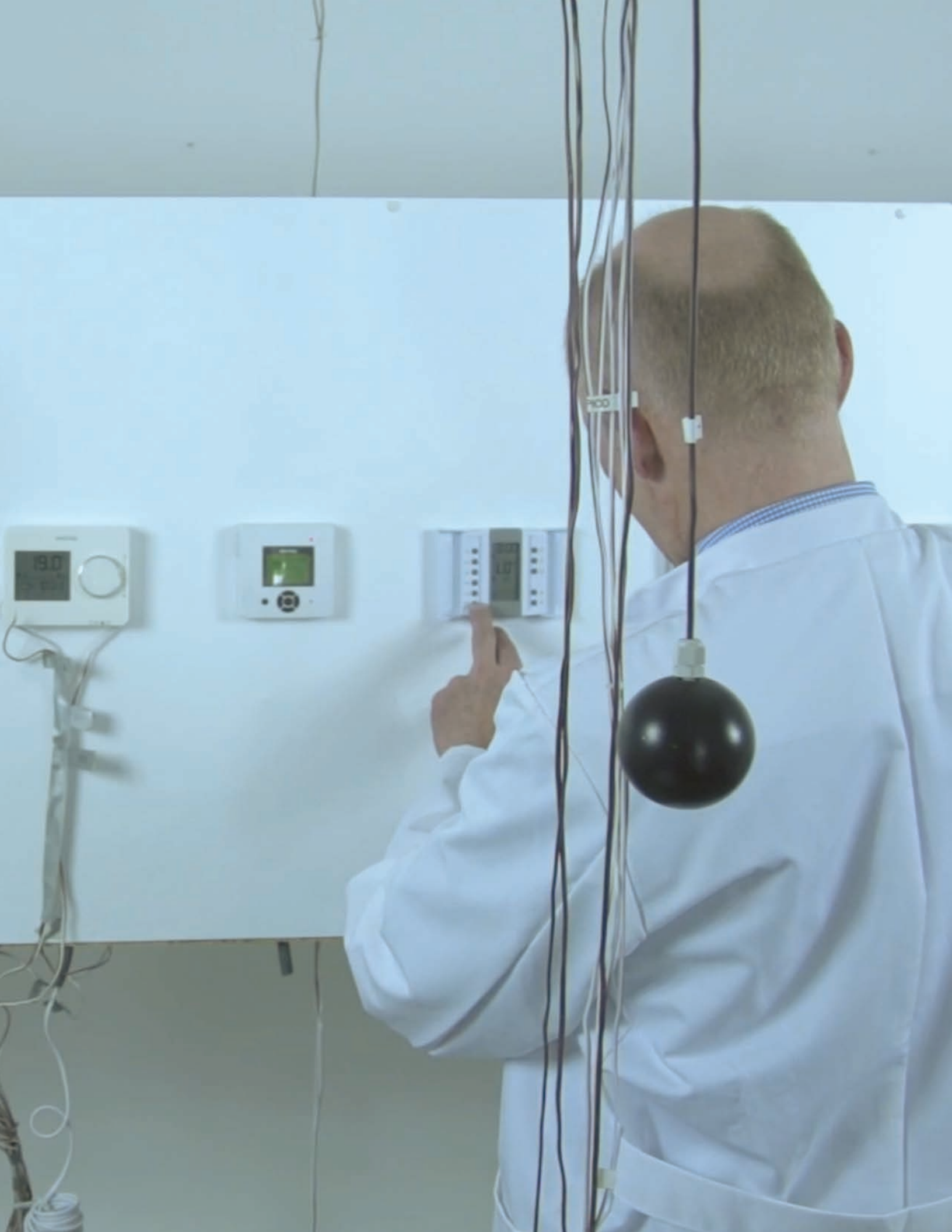


ADVANCED SYSTEMS			PRO SYSTEMS	
TRACE-2	RESIBOX-30	WSM-63+	COMMBOX-600	WSM-252W
GFEP protected 30A controller activates Heat Trace systems at defined temperatures.	GFEP protected 30A controller activates Snow Melting systems. Use with CIT, GIT and AirSense sensors.	Timer panel with 2-zone capability and optional Roof and Ground sensors.	4x50A-3phase relays for this GFEP controller that can switch multiple zones. Plug-and-Play format.	***NEW*** WiFi panel activates with the weather forecast and operates on Smartphone Application.
	✓	✓	✓	✓
	✓	✓		✓
✓				✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	
Built-in	Gutter/Aerial/Ground	Gutter/Ground	Gutter/Aerial/Ground	None
240V	240V	240V	240V	240V
208-277V	208-277V	208-277V	208-600V	208-600V
30A/240V	30A/240V	2 x 63A/4 pole	4 x 50A/3 pole	2 x 63A/4 pole
		✓	✓	
✓	✓		✓	
				✓
\$1,890.00	\$3,812.00	\$3,763.00	\$8,517.00	\$2,468.00
\$1,512.00	\$3,050.00	\$3,008.00	\$6,857.00	\$1,975.00
	GIT-1	USETOR-55	GIT-1	
	SIT-6E	USETOG-56	SIT-6E	
	AirSense		AirSense	

Sensor and Accessories

Code	Description	Canada	USA
GIT-1	Gutter sensor. Measures moisture and temperature. Active below 38°F.	\$1,369.00	\$1,090.00
SIT-6E	Surface-mounted snow and ice sensor. Detects moisture and temperatures. Triggers below 38°F for energy-efficient operation. Easy mounting in slabs with multiple conduit connections.	\$3,163.00	\$2,515.00
SIT-6E-H	Housing for SIT-6E sensor	\$245.00	\$196.00
USETOR-55	Roof Sensor for use with Snow/Ice Control USET02-4450 - Detects moisture, temperature and precipitation.	\$624.00	\$499.00
USETOG-56	Snow and Ice melting pavement sensor.	\$558.00	\$446.00
USETOK	Installation cup for the Snow and Ice Melting Ground Sensor USETOG-56.	\$179.00	\$149.00
AirSense	Outdoor moisture and temperature sensor.	\$1,169.00	\$935.00
AirSense Bracket	Mounting bracket for AirSense sensor.	\$259.00	\$207.00
CDP-2	Indoor control panel for ASE-DS controllers. Fits any single gang electrical enclosure.	\$374.00	\$299.00







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