

## ZMesh Screen Element

### APPLICATIONS:

Space heating, floor warming, roof de-icing

### Standard system components:

- ZMesh heating element kit
  - 50', 75', 100', 150', 200' & 300'
- Control Box w/Transformer:
  - 1/2 kVA, 1 kVA, 2 kVA, 3kVA, 2 x 3kVA
- Activation
  - Programmable thermostat
  - Thermostat
  - Remote bulb sensor
- Rough-in Kit (kit size determined by distance of Control Unit from heating element multiplied by two)
  - 50', 100', 150', 200'

### 21 BTU'S/SQ. FT./HR

Applications:	Area	System Size
• Total space heating	20 s.f. - 75 s.f.	1/2kVA
• Floor warming	75 s.f. - 150 s.f.	1kVA
–Hardwood	150 s.f. - 300 s.f.	2kVA
–Carpet	300 s.f. - 450 s.f.	3kVA
–Tile	450 s.f. - 900 s.f.	2 x 3kVA

### 27 BTU'S/SQ. FT./HR

Applications:	Area	System Size
• Total space heating	20 s.f. - 60 s.f.	1/2kVA
• Floor warming	60 s.f. - 130 s.f.	1kVA
–Hardwood	130 s.f. - 250 s.f.	2kVA
–Carpet	250 s.f. - 400 s.f.	3kVA
–Tile	400 s.f. - 800 s.f.	2 x 3kVA

### 35 BTU'S/SQ. FT./HR

Applications:	Area	System Size
• Total space heating	20 s.f. - 50 s.f.	1/2kVA
• Floor warming	50 s.f. - 100 s.f.	1kVA
–Hardwood	100 s.f. - 200 s.f.	2kVA
–Carpet	200 s.f. - 350 s.f.	3kVA
–Tile	350 s.f. - 400 s.f.	3kVA
• Roof de-icing	400 s.f. - 600 s.f.	2 x 3kVA

### Electrical service requirements

- Control Units with 1/2kVA & 1kVA transformers require 120V, 20amp
- Control Units with 2kVA & 3kVA transformers require 208/240V, 20amp
- Control Units with 4kVA, 5kVA, 6kVA transformers require 208/240/277V, 30Amp

## Tuff Cable Element

### APPLICATIONS:

Snow melting, space heating, floor warming

### Standard system components:

- Tuff Cable heating element kit
  - 100', 200, 300', 400', 500' & 600'
- Control Box w/Transformer:
  - 1/2 kVA, 1 kVA, 2 kVA, 3kVA, 4kVA, 5kVA, 6kVA
- Activation
  - In-concrete or aerial temp & moisture sensor
  - 12-hour mechanical timer
  - Programmable thermostat
  - Thermostat
  - Remote bulb sensor
  - Thermostat
- Rough-in Kit (kit size determined by distance of Control Unit from heating element multiplied by two)
  - 50', 100', 150', 200'

### 50 BTU'S/SQ. FT./HR

Applications:	Area	System Size
• Snow melting	20 s.f. - 70 s.f.	1kVA
• Total space heating	70 s.f. - 120 s.f.	2kVA
• Floor warming	120 s.f. - 200 s.f.	3kVA
	200 s.f. - 250 s.f.	4kVA
	250 s.f. - 300 s.f.	5kVA
	300 s.f. - 375 s.f.	6kVA

### 70 BTU'S/SQ. FT./HR

Applications:	Area	System Size
• Snow melting	15 s.f. - 50 s.f.	1kVA
• Total space heating	50 s.f. - 100 s.f.	2kVA
• Floor warming	100 s.f. - 150 s.f.	3kVA
	150 s.f. - 180 s.f.	4kVA
	180 s.f. - 230 s.f.	5kVA
	230 s.f. - 275 s.f.	6kVA

### 115 BTU'S/SQ. FT./HR

Applications:	Area	System Size
• Snow melting	10 s.f. - 30 s.f.	1kVA
	30 s.f. - 60 s.f.	2kVA
	60 s.f. - 100 s.f.	3kVA
	100 s.f. - 125 s.f.	4kVA
	125 s.f. - 150 s.f.	5kVA
	150 s.f. - 190 s.f.	6kVA