

# For Residential and Commercial Applications

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

## Snow Melting Control 654

**Dimensions: 5" H x 3-1/4" W x 15/16" D (127 x 82 x 23 mm)**

The Snow Melting Control 654 is designed to operate electric or hydronic equipment to melt snow or ice from a driveway, loading dock, sidewalk, patio, helipad or car wash bay. The snow melt surface temperature is controlled using slab outdoor reset to reduce operating energy costs. The 654 provides automatic start and stop when used with the Snow / Ice Sensor 090. Automatic start with a timed stop is available when used with the Snow Sensor 095. The 654 can operate a dedicated hydronic boiler or a mixing device. Isolation relays are required to operate line voltage pumps. Electric systems require a separate GFCI and electrical relay contactor.



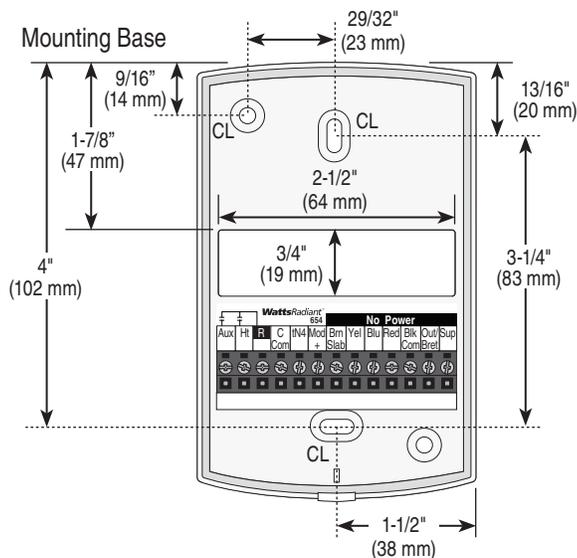
Snow Melting Control 654

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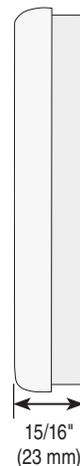
DESCRIPTION	PROPERTY
Literature	ES-WR-Snow_Melting_Control-654, IOM-WR-Snow_Melting_Control-654, PG-WR-Snow_Melting_Control-654, IS-WR-Snow_Melting_Control-654
Control	Microprocessor control. This is not a safety (limit) control
Packaged weight	1.3 lb. (590 g)
Dimensions	5" H x 3-1/4" W x 15/16" D (127 x 82 x 23 mm)
Enclosure	White PVC plastic, NEMA type 1
Ambient conditions	-4 to 122°F (-20 to 50°C), < 90% RH non-condensing, outdoor use permitted when installed inside a NEMA 3 enclosure
Power supply	24 V (ac) ±10%, 60 Hz, Class 2, 16 VA standby, 100 VA fully loaded
Relay capacity	24 V (ac) 2 A, 3.6 A combined
Modulating output	0-10 V (dc), 500 Ω minimum load impedance, 4-20 mA 1 kΩ max load impedance
Sensors	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) β=3892
-Included	Outdoor Sensor 070, Universal Sensor 082
-Optional	072, 082, 090, 091, 095

### Features

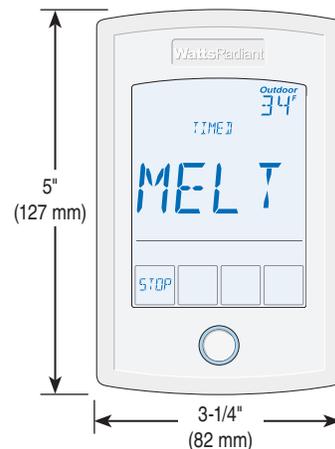
- Automatic Snow / Ice Detection
- Supports Both Inslab & Retrofit Aerial Sensors
- Manual Start With Timer
- Programmable Schedule
- tekmarNet® Communication Compatible
- Warm Weather Shut Down
- Cold Weather Cut Out
- Idling
- Snow Melt Zoning With Priority
- Tandem Snow / Ice Detection
- Slab Protection
- Storm
- EconoMelt
- Manual Override
- Snow Melt Zone Tracking
- Scenes
- Away Key
- Exercising
- Alert Output



Side View



Front View



### Product Options

Qty	Description	Model#	Order#
	Snow Melting Control 654	300154	81016552



Watts Radiant product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Radiant Technical Service. Watts Radiant reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts Radiant products previously or subsequently sold.