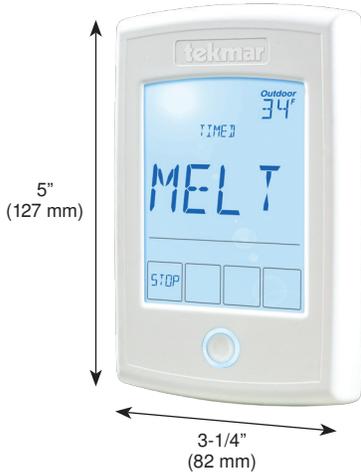
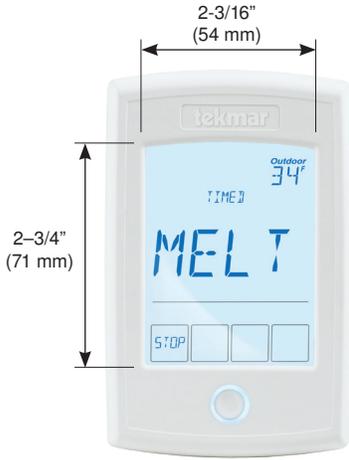




## Snow Melting Control 654

tekmarNet® Electric or Hydronic Boiler / Mixing



### The Benefits for Automatic Snow Melting Are Clear

The Snow Melting Control 654 is designed to operate electric or hydronic equipment to melt snow or ice from any surface including driveways, walkways, patios, business entrances, parking ramps, loading docks, hospital entrances, helipads or car wash bays. The surface temperature for snow melting is controlled automatically to reduce operating energy costs. The 654 has an automatic start and stop function when used with the Snow/Ice Sensor 090 or 094. 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.

### Featuring the Best in Snow Melting Control

- Automatic snow / ice detection
- Supports both inslab & retrofit aerial sensors
- Manual start with timer
- Programmable schedule
- Warm weather shut down
- Cold weather cut out
- Slab protection
- tekmarNet® communication
- Idling
- Snow melt zoning with priority
- Tandem snow / ice detection
- EconoMelt
- Storm
- Snow melt zone tracking

### A Cost Effective Solution for Snow Removal



HVAC Systems



Multi-Staging



Alternative Energy



Zoning



Snow Melting



Setpoint

**tekmar**®

Better Control. Better Systems.

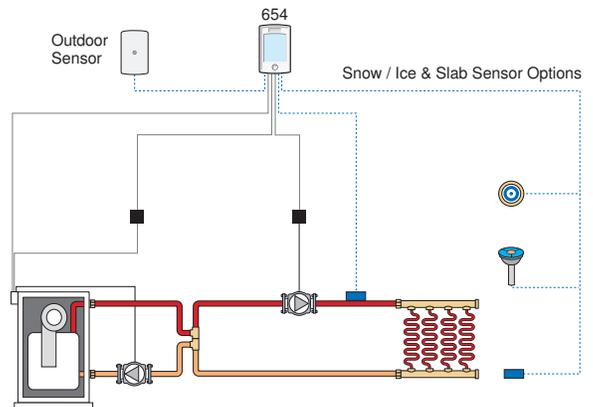
A Watts Water Technologies Company



## Sample Application Drawings

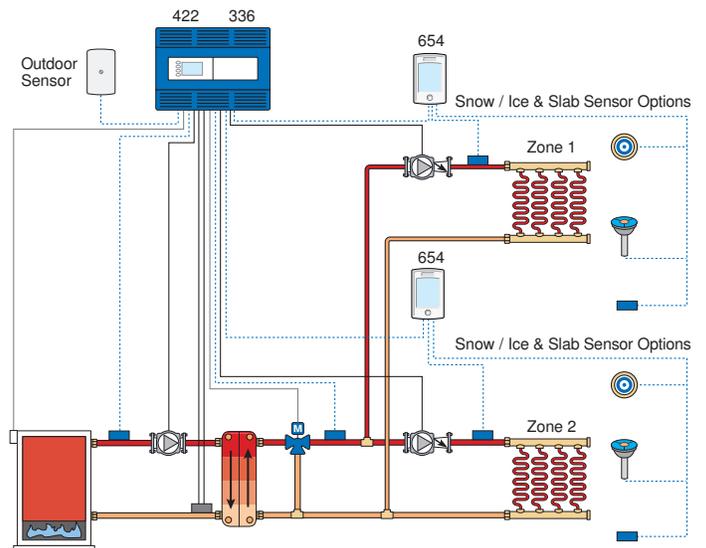
### Single Zone with Boiler

A hydronic snow melting system is operated using a modulating boiler and a system pump. The boiler is piped in primary-secondary to the snow melt system to allow the system pump to operate continuously during melting or idling while allowing the boiler and boiler pump to turn on and off as required. The system can be manually or automatically started.



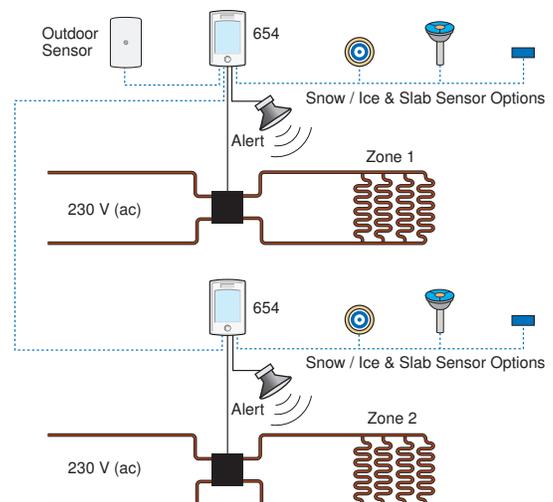
### Multi-Zone with Boiler and Mixing

A multi-zone snow melting system is heated by a common three-way mixing valve and boiler. Each zone is operated by a Snow Melting Control 654. The mixing valve and boiler are operated by a Universal Reset Module 422 and Zone Manager 336. Snow melt zone priority is available if the boiler is not sized for the combined heating load. Each slab is heated to maintain its slab target temperature. The system can be manually or automatically started.



### Multi-Zone Electric

A multi-zone snow melting system is heated with electric cables. Each Snow Melting Control 654 is connected to a 230 V (ac) electrical contactor which in turn energizes the electric cables. Snow melt zone priority is available so that only one zone operates at a time. Each slab is heated to maintain its slab target temperature. The system can be manually or automatically started.



For more information on our product line,  
visit: [www.tekmarControls.com](http://www.tekmarControls.com)