



Snow Melt ✓ Check List

Materials And Tools Required:

- The customized Installation and Electrical Plan
- Snow Melting Heating Mats or Cables
- Snow Melting Control and applicable accessories
- 30mA GFEP Circuit Breaker per heating product
- Digital Multimeter
- Mega-ohm meter
- Junction Boxes (if needed)
- Extension wiring to provide power from the relay panel(s) to junction boxes (if needed)
- Electrical Conduit
- Scissors
- Plastic Zip Ties
- Duct Tape for shovels and rakes
- Rigid framework to secure snow melting mats or cables

Step 1: Check System Ohm Reading and Review Plans

- Verify availability of breaker box space, voltage and amperage available according to installation plan and electrical plan
- Verify start locations of the heating product and locations of junction boxes
- Test the heating systems with an ohm meter and mega-ohm meter

Step 2: Rough in Electrical Work

- Plan routing and conduit work based on the number of cold leads
- Record ohms and insulation resistance results before, during, and after install

Step 3: Electrical Power Hookup

- Connect a snow melting control, relay and sensor(s) according to the diagram
- Keep high voltage power wires in a separate conduit from low voltage wires
- Allow sufficient drying or curing period of the concrete / asphalt after installing the Heating System and before energizing the Heating System
- Setup and test a controller
- Do an amp draw test to verify proper operation of each heating element

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Videos, Step by Steps, and Project Guides

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