tekmar[®] Submittal

Snow Detector & Melting Control 664



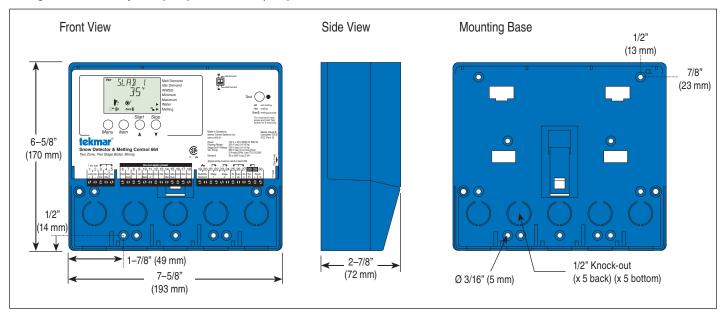


Snow Melting

Replaces: New

| lob | Designer | Contact |
|-----|----------|---------|
| | Designer | |

The Snow Detector & Melting Control 664 is designed to operate mechanical equipment to melt snow off of up to 2 outdoor slabs. It can be used in hydronic snow melting applications consisting of up to 2 zones and 2 boilers where each zone can operate at an independent temperature. This product uses a tekmar snow/ice detection sensor in order to automatically melt snow in a priority sequence while protecting the boiler plant with a mixing device. It is capable of controlling up to 2 boilers, a variable speed or modulating (4-20 mA) mixing device, a mix system pump, and 2 zone pumps.



Specifications

| Snow Detector & Melting Control 664 Two Zone, Two Stage Boiler, Mixing | | |
|--|--|--|
| Literature | D664, A664, U664, D001, D070, E021 | |
| Control | Microprocessor control. This is not a safety (limit) control | |
| Packaged weight | 3.5 lb. (1600 g) | |
| Dimensions | 6-5/8" H x 7-9/16" W x 2-13/16" D (170 x 193 x 72 mm) | |
| Enclosure | Blue PVC plastic, NEMA type 1 | |
| Approvals | CSA C US, meets class B: ICES & FCC Part 15 | |
| Ambient conditions | Indoor use only, 32 to 122°F (0 to 50°C), RH ≤90% Non- | |
| Ambient conditions | condensing | |
| Power supply | 115 V (ac) ±10%, 50/60 Hz, 600 VA | |
| Floating relays | 230 V (ac) 5 A, 1/6 hp | |
| Stage/Zn/P1 relays | 230 V (ac) 5 A, 1/3 hp | |
| Var. pump | 230 V (ac) 2.4 A max (FLA) 5 A max (LRA), fuse T2.5 A 250 V | |
| Demands | 20 to 260 V (ac) 2 VA | |
| Sensors | NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) β=3892 | |
| -Included | Outdoor Sensor 070 and 3 of Universal Sensor 082 | |
| -Optional | tekmar type #: 039, 040, 072, 073, 090, 091, 094, 741 | |
| Warranty | Limited 3 Year (See D664 for full warranty) | |

Features

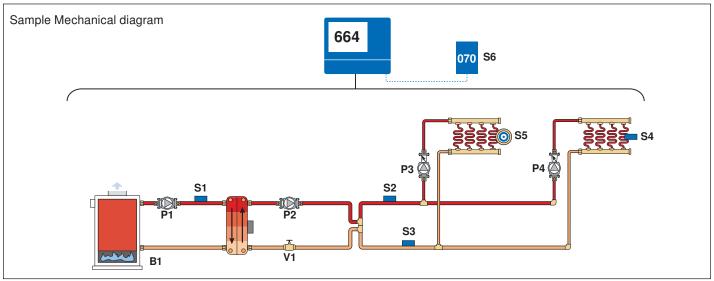
- Automatic snow detection and melt control (with 090 Sensor)
- · Control up to 2 zones
- · Control up to 2 boilers
- Slab temperature control
- Mixing control (floating, variable speed, or proportional)
- Temporary Idle
- Optional priority zoning operation
- Slab protection for the snow melting system
- Boiler Protection
- Manual Override
- Warm Weather Shut Down
- · Cold Weather Cut Out
- · Remote display and adjustment capabilities
- Test sequence to ensure proper component operation
- Equipment Exercising
- CSA C US certified (approved to applicable UL standards)

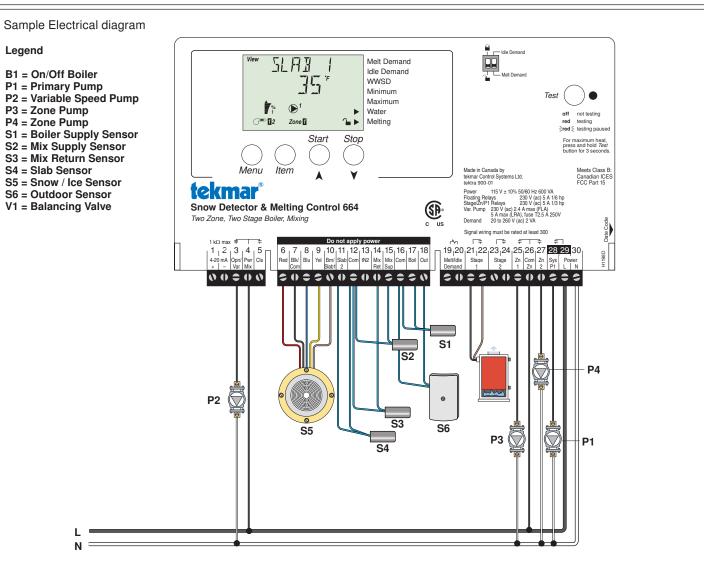
SPECIAL REQUIREMENTS

An 090 Snow/Ice Sensor or Slab Sensor.

Sample Application Drawing

Below is a sample application drawing for this product. This application may include other tekmar products that are required for installation. More sample applications can be found at www.tekmarcontrols.com.







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