



**Environmental Technology, Inc.
Online Information Network!**

Newsletter/ETI Interface

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"Providing Our Customers and Prospects With Timely Information"

APS-1 & SC-10 Powers Three Phase

Scanning This Issue...



The GIT-3 Gutter Ice Control Gets Approvals

The popular GIT-3 is now both UL Listed and CSA Certified. UL safety tested this product for both standards. We will begin shipping the Listed/Certified products in early August. With the exception of product labeling, the safety tested products are physically and electrically identical to current units. There is no price change for the new UL/CSA approved control.

Looking for New Product Literature?

Data sheets and pricing for the new products will be available by the middle of August. Check out our Internet site, www.networketi.com or contact Customer Service for printed copies of the data sheets. Customer Service will be able to provide pricing information from 8-5pm CST at (800)-234-4239 or (574)-233-1202

It has been several months since the last issue of the INTERFACE was published, so we have some catching up to do. This issue and the next two will concentrate on important new product introductions and the goings on here at ETI. Thereafter, we will resume publishing information of general interest to freeze protection and radiant floor heating professionals along with information and applications focusing upon ETI and our products.

Product Availability...

We made staff additions and other changes that will substantially improve deliveries during the upcoming construction season. The extremely tight employment situation in South Bend has finally relaxed due to several plant closings and other economic factors. This helped us find qualified persons for both new and unfilled positions.

www.networketi.com...

Our web site has a new look along with improvements, product additions and many corrections. The site is, now and always will be, a work in progress with frequent updates. Watch for important new product announcements along with the publication of application notes, 'white papers', data sheets and manuals in the coming months.

ZSC-2 SNOZONE Brings Flexibility to Snow Melting

The ZSC-2 Snozone answers the need for a flexible snow and ice melting control for power-limited residential and commercial applications. It interfaces standard single or multiple CIT-1, GIT-1 or SIT-5E sensors with up to four zones - each with its own heaters.

The ZSC-2 permits melting up to four times the area possible with a single zone control. The snow and ice melting system employs one or more SC-40 Satellite Contactors for each zone. This provides application flexibility along with GFCI for each zone or group of heaters.



The ZSC-2 provides the control features of the APS-3B or APS-4. That is, it interfaces sensors and provides a adjustable 10 hour heater hold-on timer. An independent heater cycle capability is provided for each of the four zones.

Melting priority is set by the sequence in which the SC-40 Satellite Contactors are connected to the ZSC-2. The highest priority heating zone is wired to channel one, the next to channel two and so on.

For operational flexibility, an individual control switch and status indicators are provided for each zone. The control switches can be used to prevent the heaters in one or more zones from operating to concentrate on melting one or more critical zones. Alternatively, they can temporarily change the melting priorities of one or more zones. For example, it may be necessary to concentrate on melting sidewalks before the driveway. The switches can be used to operate heaters in a zone subjected to blowing, drifting or tracked snow even though no sensor detected precipitation.

The ZSC-2 is field selectable for 120/240 volts 50/60 Hz AC. All sensor and signal wiring is low voltage NEC Class 2. The ZSC-2 is both UL Listed and CSA Certified. UL safety tested this product for both standards.

FWT-3H Offers Advanced Control and a New Look

The new patented computerized FWT-3H is engineered for hydronic radiant floor heating applications. Its advanced automatic control capability ensures comfort with minimum energy costs. Key features include easy operation, pleasing appearance, simple and affordable installation in a single-gang switch box. Digital Anticipation provides superior temperature regulation when compared to conventional thermostats. The FWT-3H continuously learns how best to control heating to maximize comfort by minimizing temperature variations. This feature is especially valuable in hydronic applications due to the slow control response.

The FWT-3H provides a simple analog adjustment for setting the floor temperature with a range of 50° to 95° F (10° to 35° C). Setting the adjustment fully counterclockwise inhibits heating which saves energy by not heating unoccupied areas. Status indicators show presence of power and heater operation.



The temperature sensor is embedded in the floor substrate along with the heaters. This provides quickest response and precise

control. The 25 foot sensor cable supplied connects the temperature sensor to the FWT-3H.

The FWT-3H operates from the 24 VAC NEC Class 2 voltage source, normally used to power hydronic system controls. It requires less than 0.2 amps. The FWT-3H provides a control relay rated for 24 VAC at 1 amp for operating zone valve and similar light loads.

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