



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

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## **Newsletter/ETI Interface**

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### **"Providing Our Customers and Prospects With Timely Information"**

#### **Scanning This Issue...**

ETI is broadening its controls for gutter ice applications. The current GIT-3 will be upgraded and ready for delivery in November to accept 120/208/240 and 277 supply voltages. The two upgraded versions will be called the GIT-3A.

Also, ready this fall will be two new GIT-4 Gutter Deicing controls. These enhanced controllers will offer the same voltage range of the GIT-3A's, but will also include remote control and integral Ground Fault Circuit Interruption (GFCI).

This Interface begins a series of articles dealing with safety testing laboratory issues of vital interest to most readers. We point out the critical importance of selecting UL Listed apparatus tested to the correct Standard for the application. Failure to do this, among other things, exposes you to potential code compliance problems and increased liability



## **It's Important to Know the Proper UL Listing**

The UL873 Standard for Temperature Indicating and Regulating Equipment is universally applied to sensors and controls used for snow and ice melting applications. The scope of UL873 specifically covers these applications. Electrical Inspectors know that UL873 Listed equipment is constructed so when installed in the field, it complies with the sections of the National Electrical Code (NEC) dealing with snow and ice melting applications.

Using other than UL873 Listed snow and ice melting control equipment can cause NEC installation code compliance problems. Consider substituting snow and ice melting control equipment Listed under UL508, the Standard for Industrial Control Equipment. The NEC has specific requirements for snow and ice melting control equipment, which are dovetailed into UL873. Compliance with the specific NEC requirements applicable to these types of snow and ice melting controls must be assessed. When compliance issues arise, they will be judged under UL873, not UL508!

In summary, using other than UL873 Listed equipment for snow and ice melting applications, subjects you to risk noncompliance with the NEC. In turn, this exposes you to the expensive problem of bringing a non-compliant system into NEC compliance. A non-compliant system increases your liability exposure in the event of litigation due to an injury or property damage.

## **ETI Introduces New Members to the Sales / Marketing Staff**



### **ETI Sales & Marketing Staff.**

From Left: Timothy Scott, Doug Kocsis, Michele McCormack, Dale Craker and Wayne Newberry

We welcome the following new members to our sales and marketing team. Wayne Newberry joins us in construction and HVAC/R sales. His experience includes responsible positions in the construction industry as well as being a principal of a mechanical contracting firm. Dale Craker joins us in telecommunications sales. His experience

exposure.

This issue introduces you to new members of our sales and marketing team along with responsibility changes. Watch for more changes and additions in coming months.

### **Check us out on the web...**

[www.networketi.com](http://www.networketi.com) will show you all the latest products developed by Environmental Technology, Inc. Check early check often!

applications. Michele McCormack joins us to help with customer service and other administrative tasks.

Tim Scott, previously in telecommunications sales, is now responsible for all promotional activities and specialized marketing assignments. Doug Kocsis handles all inside sales for the construction and HVAC/R markets.

## **ETI Upgrades the GIT-3 to the GIT-3A and Introduces the New GIT-4**

The current GIT-3 operates from 120 or 240 volts depending upon the position of its supply selector switch. The upgraded version of this product, GIT-3A, will operate from 120 and 208/240 volts. At the same time, we are introducing another GIT-3A which will operate from 277VAC. All versions of this new product accommodate 30 amp loads at the heater supply voltage and will be ready for delivery in November. There is no need for a separate lower voltage branch circuit to operate the control. The GIT-3A-120/208/240 will remain at the same price as the current product, however, the GIT-3A-277 will be modestly higher.

### **The GIT-4 offers GFCI & remote.**

We are introducing our new GIT-4 Gutter Deicing Controls. These products add our patented integral GFCI capability along with remote control. As standard equipment, each GIT-4 will include a RCU-2 Remote Control for convenient testing and resetting of the GFCI function along with functional monitoring via its SUPPLY and HEATER indicators. Both LED's flashing together indicate a ground fault condition.

The GFCI trip-point is factory set to operate at 30mA. This current level may false trip in some installations. Heater cables have a ground fault current due to the capacitance between the heating cable core and the shield. The magnitude of this current depends upon the heater design, the cable length and the supply voltage. For a given cable, the leakage current value is proportional to cable length and the supply voltage.

The GIT-4 accommodates a higher ground current by providing a facility for programming a higher GFCI higher trip point. The trip-point can be programmed for higher values including: 60, 90, 120, 150 and 180 mA in addition to the standard 30mA value. Programming is accomplished via the RCU-2 Remote Control. The unique programming feature eliminates the possibility of accidentally changing the trip-point.

The RCU-2 conveniently mounts in a single-gang switch box. NEC Class 2 operation simplifies installation. The remote control can be located up to 500 feet from the GIT-4. A two-conductor non-polar cable connects the RCU-2 with the GIT-4.

Both the GIT-4-120/208/240 and the GIT-4-277 will cost more than the equivalent GIT-3A's since they are more complex. These products should be in stock by November



assuming that safety testing by UL proceeds normally.

## **New and Revised Manuals and Data Sheets Available**

Please update your catalogs with the literature shown below. There are substantial differences between the new and older literature. Copies can be downloaded from our web site at [www.networketi.com](http://www.networketi.com). Alternatively, hard copies are available from Customer Service at no charge.

<b>Data Sheets:</b>		
<b>Order Number</b>	<b>Product</b>	<b>Description</b>
19012	HSC-3	Hydronic Pavement Mounted Snow Sensor
18631	APS-4	3-Phase Snow Control
18632	SC-40	3-Phase Satellite Contractor
19093	FWT-3H	Hydronic Radiant Floor Heating Thermostat
19460	LCD-3/LCD-4	Low-cost Snow and Rain Blower Controllers
<b>Instruction Manuals:</b>		
<b>Order Number</b>	<b>Product</b>	<b>Description</b>
17811	HSC-2/HSC-3	Pavement Mounted Sensors for Hydronic Systems
17701	APS-4	3-Phase Snow Control
17703	SC-40	3-Phase Snow Control
19092	FWT-3H	Hydronic Radiant Floor Heating Thermostat

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