



ETI Products

55+ YEARS DELIVERING RELIABLE AND INNOVATIVE ENVIRONMENTAL CONTROL SYSTEMS

Waveguide Dehydrators, Deicing and Heat Trace Systems



THE COSTLY TRUTH BEHIND LOW-COST UNCERTIFIED SYSTEMS

Obtaining built-to-last waveguide dehydrators, deicing and heat trace systems is critical yet challenging in today's complex operating environments. Without military-grade compliance, UL product certification and monitoring capabilities, systems fail quickly in harsh environmental conditions and jeopardize the entire system. Cutting expense with non certified products also leads to catastrophic failures, lengthy downtimes, and substantial financial consequences. Though quality standards and certification exist to ensure products' life and dependability, many times, companies consciously override these processes to reduce expenses and increase margins. By partnering with uncertified partners, companies put themselves at risk of:

- Disrupted communications and outages
- Severely degraded signal quality or transmission failures
- Revoked licenses to operate
- Damaged equipment and infrastructure



WE ARE ETI

55+ Years Providing Certified Environmental Control Systems

55+ Years of Experience

Since 1968, ETI has grown over five decades to be a trusted industry provider of waveguide dehydrators, deicing/snow melt and heat trace systems for over 2000 customers worldwide across diverse industries. Unlike other environmental control providers, our products are trusted and used by military and government organizations throughout the world to protect thousands of complex installations from moisture and damage caused by harsh and critical environment conditions.

Made in USA for The Best Quality

We proudly manufacture in the USA to ensure complete quality control and craftsmanship. Our skilled teams oversee each production step - from fabrication to electronics assembly - adhering to strict protocols at our Indiana facilities. Before shipping, an engineering team with 50+ years conducts rigorous testing with proprietary software to validate flawless performance. When failure is not an option, customers trust ETI's USA-made commitment to deliver unmatched reliability and durability products.

Certified to Meet Demanding Industry Standards

Our products meet exacting industry certifications. Key products comply with standards like C-UL-US, with certain models tested and compliance with rigorous MIL-STD-810G test protocols for vibration, shock and extreme temperatures. Some models are also designed with NEMA 3R/4X enclosure for maximum protection against weather and environmental threats.

Commitment to Innovation

We are committed to continually advancing our products through research and development. Our goal is to create innovative products that address emerging customer needs, including improved communication and energy-efficient products such as WIFI 6E and bluetooth.

NETCOM WAVEGUIDE DEHYDRATORS

Providing Reliable Pressurized Dry Air Over 55 Years

The automatic ADH Netcom line features advanced, highly configurable monitoring software to meet your system needs. The software remotely monitors system data 24/7 and alerts technicians the moment a pressure drop hints at a leak, enabling early detection before serious damage occurs. Built with two canisters and automatic alternating regeneration, our products eliminate the cost for frequent manual maintenance and additional canister replacements. Web GUI interfaces enable configuring pressure ranges, alarm points, duty cycles and more with the flexibility of in-service modifications.

For cost-effective applications, the manually regenerated EDH models offer moisture protection suited for C, X, Ku, and Ka band applications. RCD passive dehydrators are a great choice for small volume waveguide and coax systems, delivering no-power moisture protection through simplified installation. To increase output capacity, the ASM-1 Smart Manifold system is capable of networking multiple ADH dehydrators to provide dry air to two or more transmission lines, or can allow one ADH dehydrator to output to multiple transmission lines.



Scan for more information





ADH

Key Features:

- Rack mount chassis
- Dual diaphragm compressor
- CE certified

Specification:

Configurable output pressure:
0.10 to 7.50 psig
Flow rate: 25.4 scfh (12 lpm)
Operating temperature:
32°F to 131°F +/-2°F



ADH NEMA

Key Features:

- Outdoor mounting
- INTEGRA® 4X PREMIUM
- CE certified

Specification:

Configurable output pressure:
0.10 to 7.50 psig
Flow rate: 25.4 scfh (12 lpm)
Operating temperature:
-40°F to 130°F +/-2°F



EDH-4

Key Features:

- Low cost
- Well-suited for C, X, Ku and Ka band application

Specification:

Output pressure: 0.3-0.5psig
Flow rate: 6.0 scfh (2.8 lpm)
Operating temperature:
-40°F to 140°F



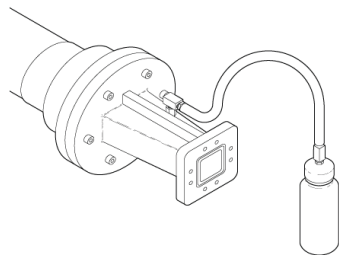
EDH-5

Key Features:

- Low cost, simple operation
- Well suited for Ku and Ka band applications

Specification:

Output pressure: 0.3 - 0.5 psig
Flow rate: 4.77 scfh (2.25 lpm)
Operating temperature:
-40°F to 130°F



RCD PASSIVE

Key Features:

- No power required
- Long desiccant life

Specification:

Maximum pressure: 20 psig
Rated pressure: Up to 8 psig
Operating temperature:
-40°F to 122°F



ASM-1

Key Features:

- Highly configurable
- Periodic automated line testing

Specification:

Maximum pressure: 7.5 psig
Pressure relief valve: 8 psig
Operating temperature:
32°F to 130°F +/-2°F

SNOW SWITCH CONTROL & SENSORS

One Snow Melting System, Endless Potential Solutions

Each controllers in the Snow Switch line is UL certified, equipped with adjustable hold-on timers to ensure complete melting after snowfall, and most of the products are designed with ground fault protection to minimize false tripping for greater system flexibility. For pilot duty applications, the PD Pro provides both resistive and inductive loads in a NEMA 4X enclosure, while systems requiring ground fault protection, the GF Pro offers a 30 amp resistive capacity within the same enclosure. The cost-effective modular SC-40C and automatic APS models offer wide-ranging supply voltage and load configurations to suit varied system requirements and heating demands.

While advanced Snow Switch controllers provide snowmelt activation, only pairing them with our specialized sensors can offer comprehensive, reliable snow detection under any severe and unpredicted snow condition. The solid state design and UV-resistant enclosures are chosen for ETI's sensors to protect sensitive interior components while delivering robust exterior durability for aerial, gutter and pavement installations.



Scan for more information



CONTROLLER



PD Pro

Key Features:

- IP 66, NEMA 4X
- 7 amp inductive loads
- 30 amp resistive loads

Specification:

Operating temperature:
-31°F to 113°F



GF Pro

Key Features:

- IP 66, NEMA 4X
- 30mA of Ground Fault Equipment Protection

Specification:

Operating temperature:
-31°F to 113°F



SC-40C

Key Features:

- NEMA 3R
- No system size limit

Specification:

Operating temperature:
-50°F to 180°F



APS 3-C & 4-C

Key Features:

- NEMA 3R
- Low cost

Specification:

Operating temperature:
-40°F to 160°F

SENSORS



Snow Owl

Key Features:

- Aerial application
- UV-tolerant
- Corrosion resistant

Specification:

Operating temperature:
-40°F to 122°F



LCD-8

Key Features:

- Aerial application
- 3 amps inductive loads
- 16 amps resistive loads

Specification:

Operating temperature:
-40°F to 104°F



GIT-1

Key Features:

- Gutter application
- Low voltage operation

Specification:

Operating temperature:
-40°F to 122°F



HSC-24

Key Features:

- Pavement application
- Self-contained controller and sensors

Specification:

Operating temperature:
-40°F to 158°F

HEAT TRACE TEMPERATURE CONTROL

Freeze Protection Thermostats That Won't Quit

Tracon's FPT 130, GPT 130, and FPT 230 models are UL and CSA certified and designed with microprocessor temperature control built-in ground fault protection, and rugged NEMA 4X enclosures. All ETI's controls also equipped with one or two 100K ohm sensors and automatic GFEP circuit self-test. The FPT 130 reliably monitors and prevents freezing for pipe trace protection. For process control applications, the GPT 130 and 230 offer adjustable setpoints across wide temperature ranges along with dual sensor inputs and zone control capabilities.



Scan for more information



FPT 130

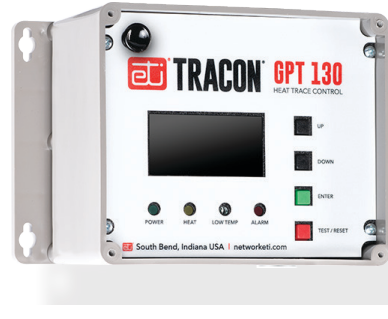
Key Features:

- NEMA 4X, IP66
- Included 1 thermistor: 100k ohms
- Compatible with NEC Class 2 temperature sensors; supports cable runs up to 2,000 ft
- A Fault Mode setting which can be set to energize or de-energize the heaters during a sensor failure

Specification:

Adjustable temperature: 30°F, 38°F, 45°F, 50 °F

Operating temperature: -40°F to 131°F



GPT 130

Key Features:

- 2.7" OLED graphic 128x64
- Included 1 thermistor: 100k ohms. Thermistor temperature sensor with 20 ft. cable included for applications of -40 °F to 230 °F (-40 °C to 110 °C)
- Adjustable temperature setpoint allows precise control of a wide range of processes
- Compatible with RTD sensors with 3-wire configuration

Specification:

Adjustable temperature:

-99.9 °F to 999 °F

Operating temperature:

-40°F to 131°F



GPT 230

Key Features:

- Dual channel heat trace capabilities allows for complete control and monitoring of two separate channels from one unit
- Included 2 thermistors: 100k ohms
- Adjustable alarm thresholds, Fault Mode & Fire Protection Mode
- 2.7" OLED graphic 128x64
- Compatible with RTD sensors with 3-wire configuration

Specification:

Adjustable temperature:

-99.9 °F to 999 °F

Operating temperature:

-40 °F to 122 °F

ORDERING INFORMATION

NETCOM Waveguide Dehydrators

ADH NETCOM

25895: ADH NETCOM, AC
25527: ADH NETCOM, DC
25896: ADH NETCOM, NEMA
25921: ADH NETCOM, NEMA, MIL-SPEC, TYPE 1
25922: ADH NETCOM, NEMA, MIL-SPEC, TYPE 2

EDH NETCOM

18021: EDH-4 REV A - Small System Air Dehydrator
24894: EDH-5 Low Cost Air Supply Dehydrator
25016: Replacement Desiccant Canister for EDH-4 (Revision A)
18138: Replacement Desiccant, 32 ounces (0.95 liters)

RCD PASSIVE

17958: RCD-1 Outdoor Passive Dehydrator
17963: RCD-2 Outdoor Self-Pumping Passive Dehydrator
24649: RCD-3 Indoor Passive Dehydrator
24650: RCD-4 Indoor Self-Pumping Passive Dehydrator
24642: RCD-5 Molecular Sieve Passive Dehydrator
24643: RCD-6 Molecular Sieve, Self-Pumping Passive Dehydrator

ASM-1 SMART MANIFOLD

23658: ASM-1 Smart Manifold, 100-240 VAC

TRACON Heat Trace:

TRACON FPT

25169: Tracon MODEL FPT 130 Single-Point
25076: Temperature Sensor

TRACON GPT

25170: Tracon MODEL GPT 130 Single-Point
25171: Tracon MODEL GPT 230 Dual-Point

SNOW SWITCH Controllers

PD & GF PRO

23736: PD Pro
23917: GF Pro

SC - 40C

22477: SC-40C, 208-240 VAC 50/60 Hz Three Phase
22478: SC-40C, 277 VAC 50/60 Hz Single Phase
22480: SC-40C, 277/480 VAC 50/60 Hz Three Phase
22481: SC-40C, 600 VAC 50/60 Hz Three Phase

APS 3 - C

22470: APS-3C, 120 VAC
22471: APS-3C, 208-240 VAC

APS 4 - C

22472: APS-4C, 208-240 VAC 50/60 Hz Three Phase
22473: APS-4C, 277 VAC 50/60 Hz Single Phase
22475: APS-4C, 277/480 VAC 50/60 Hz Three Phase
22476: APS-4C, 600 VAC 50/60 Hz Three Phase

SNOW SWITCH Sensors

Aerial Application

25516: ETI Aerial Snow Owl
24619: LCD-8, 120VAC - 240VAC
24781: LCD-8, 24VAC

Pavement & Gutter Application

25125: HSC-24 Pavement-Mounted Sensor
(requires Pavement Sensor Housing)
24219: SIT-6E Pavement-Mounted Sensor
(requires Pavement Sensor Housing)
23832: Pavement Sensor Housing



**ETI CORPORATE HEADQUARTER
ETI CONTROLS**

www.networketi.com

1850 N Sheridan Street South
Bend, IN 46628

Email: sales@networketi.com

Phone:

TOLL-FREE: (800) 234-4239
South Bend, IN: (574) 233-1202

**ETI-FAB METAL FABRICATION
& PRIVATE LABEL SUPPLIER**

www.eti-fab.com

17055 Oak Ridge Rd, Westfield,
IN 46074

Email:

fabsales@networketi.com

Phone:

TOLL-FREE: (800) 234-4239