AMIGA-LE

Installation Instructions

DREX0081

These installation instructions are for use with Drexan Energy Systems PipeGuard® Hot (PGH), OmniTrace Hot (OTH), PipeGuard Warm (PGW) and MultiTrace® (MT) OmniTrace Warm (OTW) self-regulating heater products. This kit may be installed in temperatures as low as -40°F (-40°C).

DREXAN HeatTracer

Trace Heating Redefined

HD190817-1 Rev. 2

WARNINGS

This is an electrical device and in order to ensure proper operation and prevent shock or fire it must be installed correctly. Read these important warnings. Follow all installation instructions.

The person(s) responsible for installation shall verify that the installation and inspection are performed by personnel who are trained, qualified, and knowledgeable in trace heating systems when using the Division method of area classification. The installation and inspection shall be in accordance with the system manufacturer's design documents, product recommendations, and installation instructions

CAUTION: Ground-fault equipment protection shall be provided to de-energize all normally ungrounded conductors of electrical heating cable sets, with ground fault settings sufficient to allow normal operation of the heater unless applicable codes permit otherwise, and to minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed and to comply with Drexan requirements, agency certifications and national electrical codes. Conventional circuit breakers may not stop arcing. Each heating device branch circuit or each heating device shall have ground fault equipment protection.

Metallic structures or materials such as metal pipes used to support the heater cable shall be grounded.

Component approvals and performance characteristics are based on Drexan specific parts only. Maximum surface temperature: +260°C (500°F)*. *Applies to PGH product only

Substitution will void approvals and performance claims.

Component and heating cable ends must be kept dry before and during installation. Fire resistant thermal insulation should be used. Bond the metallic braid of the self-regulating heating cable to a suitable grounding (earth) terminal. De-energize before installation or servicing.

WARNING - EXPLOSION HAZARD - DO NOT DISCONNECT EQUIPMENT UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NON- HAZARDOUS.
AVERTISSEMENT - RISQUE D'EXPLOSION - AVANT DE DECONNECTER L'EQUIPEMENT, COUPER LE COURANT OU S'ASSURER QUE L'EMPLACEMENT EST DESIGNE NON DANGEREUX.

For use with Drexan HeatTraxer PipeGuard Heating Cables only

CAUTION: A ground fault protection device must be used with this heating device.

Cable – Specific Specifications

PGH/OTH Only: 5-30 W/ft., Maximum 40A. 120-277V Maximum intermittent exposure temperature 446°F/230˚C. Min. bend radius: 1.72 in. (44 mm) @ -40˚F/˚C

PGW/MT/OT Only: 3-10 W/ft., Maximum 32A. 120-277V Maximum continuous exposure temperature 150°F/65˚C. Min. bend radius: 1.18 in. (30 mm) @ 68˚F/20˚C

APPROVALS

C US
231572

Class I, Div. 2, Groups A, B, C, D
Class II, Div. 2, Groups F, G
Class III

AMIGA-LE Kit Contents

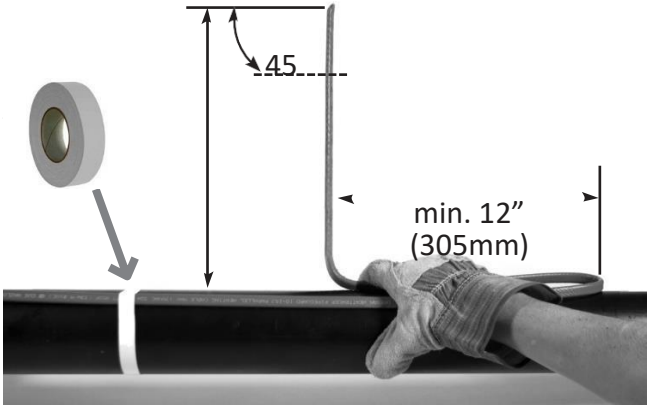
Qty.	Description
1	Stanchion c/w Silicone Grommet, Cable Guide, Connector, O-rings,
1.	Strain Relief
1.	Cap Light Assembly
1.	Pipe Clamp
2.	WAGO Splices
1.	Silicone Grease

Materials Required

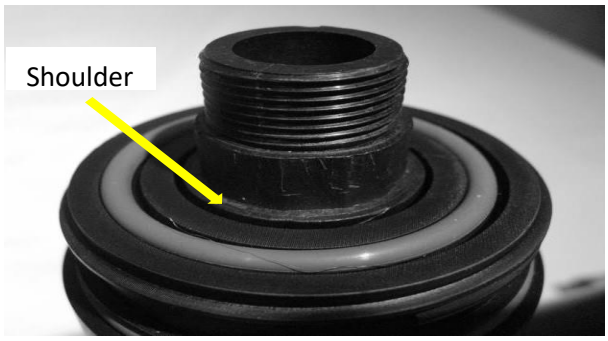
Knife, Multi Head Screwdriver, Channel Locks, Glass Fiber Tape.

Installation Instructions

1. Cut cable at an angle to pierce grommet. Allow 3” (75mm) for Light Assembly and 12” (305mm) for service loop.



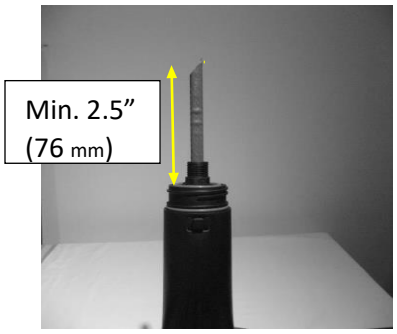
2. Ensure the shoulder of the Connector is flush with the Stanchion.



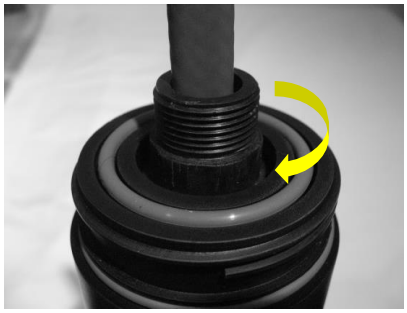
3. Apply Silicone Grease to jacket and feed the cable through the Stanchion piercing the Grommet.

4. Attach Stanchion with Pipe Clamp. **Do not tighten Pipe Clamp over cable.**

5. Ensure a minimum of 2.5 inches (76 mm) remains for cable connection



6. Tighten Connector until it bottoms out in order to compress the grommet assembly



7. Install the Strain Relief (push on) over the cable and tighten the Clamp Screw. Cut and remove the outer jacket and braid to the top of the strain relief. **Do not cut through to inner jacket.**

8. Place a layer of ½´ (13mm) glass fiber tape around the cable flush with the top of the Strain Relief.
For **PGH** – cut and remove the inner jacket and black fibers down to the top of the tape, exposing the bus wires.
For **PGW/MT –** cut and remove the inner jacket and heater core down to the top of the tape, exposing the bus wires.

Note: it is very important the spacer (PGH) and core (PGW/MT) be cut flush to the tape, between the bus wires to ensure the WAGO Splice sits flush with the core (tape).

9. Trim the exposed bus wires to 5/8” (16mm) long from top of tape.

10. Connect the leads of the Light Assembly (cap) to the bus wires by way of supplied WAGO Splices.

11. Turn the Cap Light Assembly 2 complete turns counterclockwise and thread the Cap Assembly (clockwise) onto the Stanchion. Secure the completed assembly with the supplied Tie Wrap.