

## Installation Instructions

### CMH-LE-1R / CMH-LE-2R


### CMH Lighted End Seal



These installation instructions are only for use with the following Drexan HeatTracer Self-Regulating heater product:

PipeGuard® CMH

This kit may be installed in temperatures as low as -40°F/-40°C.

 **WARNING:** 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.

**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.

Do not use substitute parts or use electrical tape unless directed. Component approvals and performance characteristics are based on Drexan specific parts only. Substitution will void warrantee, approvals and performance claims.

The heating cable core is conductive and can short if not properly insulated and kept dry. Component and heating cable ends must be kept dry before and during installation. Fire-resistant thermal insulation materials should be used.

Heating cable core bus wires can overheat and short when damaged. When cutting the cable jacket or core do not break bus wire strands.

- The metal sheath of CMH cable shall be grounded, but shall not be used as the grounding means.
- Metallic structures or materials such as metal pipes used to support CMH cable shall be grounded.
- CMH cable is not to cross or come in contact with itself.
- CMH cables are to be thermostatically controlled.
- CMH cable may be terminated or spliced in any certified enclosure mounted off heated surface.

#### APPROVALS



Class I, Div. 2, Groups A, B, C, D

Class II, Div. 2, Groups E, F, G

Class III

231572

120 – 277 Volt

Drexan Energy Systems, Inc.  
Kelowna, BC, Canada, V4V 1S5

## KIT CONTENTS

- Enclosure with Pilot Light and Hub
- Bracket with sealing ring
- Warning Label
- (2) Pipe Straps
- Installation Instructions

## REQUIRED BUT NOT PROVIDED

### Materials

- CMH-TERM

### Equipment

- Fine-tooth Hacksaw
- Pipe Wrench
- Electrical Tape
- Multi-head Screwdriver
- CMH Stripping Tool

## ASSEMBLY INSTRUCTION DETAILS

1. Insert the terminated PipeGuard CMH cable through pipe mount bracket, place the sealing ring washer provided in the CMH-TERM termination kit) onto the threaded portion of the strain relief and insert into the lighted Junction Box by way of the Hub.
2. Connect the wires to the base block of the LED terminals.
3. Push conductors into the FG Housing taking care not to kink wires or expose conductors.
4. Install lid on Housing making sure not to pinch conductors.
5. Attach to pipe using pipe straps through the pipe bracket ensuring pipe straps are underneath cable, not over top.
6. Find suitable location and affix Electrical Warning Label.