

## HL

### Hazardous Location Connection Kits

#### Power Connection Kit

- Explosion Proof Box Providing Electrical Connection for 1 Cable

#### End Seal Kit

- Explosion Proof Box Providing Termination for 1 Cable

#### Splice Kit

- Explosion Proof Box Providing Cable Entry for 2 cables

#### Tee Kit

- Explosion Proof Box Providing Cable Entry for 3 Cables

#### Signal Light Kit

- Explosion Proof Signal Light Kit with LED



#### Description

The HL Series Connection System for Chromalox heating cable products is specifically designed to comply with the requirements of Division 1 hazardous areas.

#### Applications

- Process Temperature Maintenance
- Fluid Flow and Viscosity Maintenance

#### Features

- High strength aluminum alloy cast bodies
- Corrosion resistant
- Internally threaded junction box body with externally threaded cover
- Seal fitting applicable for use on vertical or horizontal conduit

#### Approvals

**FM** - Factory Mutual Certified for use in ordinary areas and:

- Class I, Division 1, Groups B, C, D
- Class II, Division 1, Groups E, F, G
- Class III, Division 1

**CSA** Certified for use in ordinary areas and:

- Class I, Division 1, Groups B, C, D
- Class II, Division 1, Groups E, F, G

## HL Series Hazardous Location Connection Kits *(cont'd.)*

### Available Models

#### Power Connection Kit for Hazardous Locations HL-PC

The Model HL-PC Hazardous Location Power Connection Kit is a Division 1 certified junction box and seal fitting. The pipe stand-off and seal fitting combination provides a water resistant and explosion proof seal. The junction box has a 3/4" opening with top or side entry for the power connection. Pipe straps (not included) are used to provide a means to attach this model to the pipe.

#### End Seal Kit for Hazardous Locations HL-ES

The Model HL-ES Hazardous Location End Seal Kit is a Division 1 certified junction box and seal fitting. This kit is designed for end of run sealing for self regulating cable in Division 1 areas. The pipe stand-off and seal fitting combination provides a water resistant and explosion proof seal. Pipe straps (not included) are used to provide a means to attach this model to the pipe.

#### Splice Kit and Tee Kit for Hazardous Locations HL-S and HL-T

The Models HL-S and HL-T Hazardous Location Kits are a Division 1 certified junction box and seal fittings. These kits are designed for the splicing of two or three self regulating cables in Division 1 areas. The cable entry fitting and seal fitting combination provides a waterresistant and explosion proof seal. Pipe straps (not included) are used to provide a means to attach this model to the pipe.

### Exterior Construction



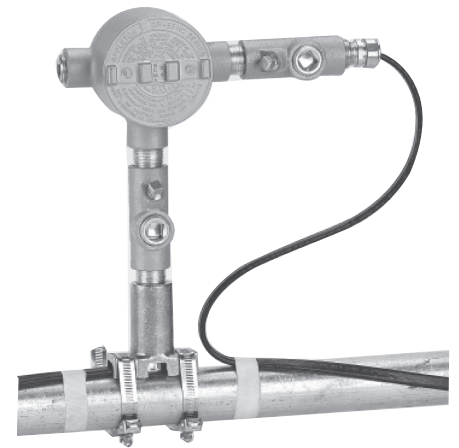
#### Power Connection Kit

- Pipe standoff allows for easier installation of heat trace insulation system
- Opening for 3/4" male fitting
- Internally threaded junction box body with externally threaded cover allowing for more room when wiring
- Simple sealing compound kit



#### End Seal Kit

- Pipe standoff allows for easier installation of heat trace insulation system
- Internally threaded junction box body with externally threaded cover allowing for more room when wiring
- Simple sealing compound kit



#### Splice Kit and Tee Kit

- Internally threaded junction box body with externally threaded cover allowing for more room when wiring
- Cable entry fittings provide water tight seal
- Simple sealing compound kit
- The splice kit provides entry for two cables
- The tee kit provides entry for three cables

## HL Series

### Hazardous Location Connection Kits *(cont'd.)*

#### Ordering Information



#### End Seal Kit for Hazardous Locations HL-ES 382221

- (1) 3/4" junction box
- (1) Seal fitting
- (1) End seal
- (1) Tube of RTV
- (1) Butt splice
- (1) Pipe stand-off
- (1) Sealing grommet
- (1) Sealing compound
- (1) Ring terminal
- (1) Green grounding wire



#### Splice Kit for Hazardous Locations HL-S 382205

- (1) 3/4" box
- (1) Cable entry fitting
- (2) 3/4" Seal fitting with nipple
- (1) Sealing compound & fiber
- (2) 4" 12 AWG leadwires (green)
- (1) Small RTV tube
- (2) Butt splice
- (2) Ring terminal
- (1) Pipe standoff
- (1) Sealing grommet
- (1) Stainless steel label
- (1) Conduit plug
- (1) Extra grounding screw
- (2) Wire nuts
- (2) Power termination seal
- (1) 3/4" to 1/2" reducing bushing



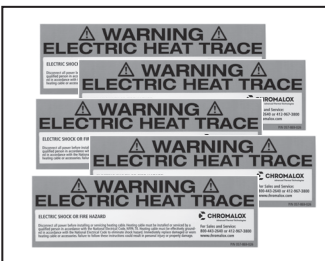
#### Power Connection Kit for Hazardous Locations HL-PC 382192

- (1) 3/4" junction box
- (1) Seal fitting
- (1) Ring terminal
- (1) Tube of RTV
- (2) Termination seal
- (1) Pipe stand-off
- (1) Sealing grommet
- (1) Conduit plug
- (1) Sealing compound
- (1) Butt splice
- (3) 12 AWG leads
- (4) Wire nuts



#### Tee Kit for Hazardous Locations HL-T 382213

- (1) 3/4" box
- (2) Cable entry fitting
- (3) 3/4" Seal fitting with nipple
- (2) Sealing compound & fiber
- (3) 4" 12 AWG leadwires (green)
- (1) Small RTV tube
- (3) Butt splice
- (3) Ring terminal
- (1) Pipe standoff
- (1) Sealing grommet
- (1) Stainless steel label
- (1) Extra grounding screw
- (2) Wire nuts
- (3) Power termination seal
- (2) 3/4" to 1/2" reducing bushing



#### Caution Labels CL-1 382424

- 5) Electric heat tracing caution labels; weather resistant



#### 208 - 240V Division 1 Signal Light Kit D1SL2 393692

Explosion proof pilot light for use with HL-PC kit. Pilot light kit made with 3/4" NPSM threads and 8" flexible leads. Red LED lens. For 208-240V system.

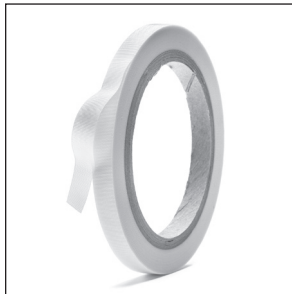


#### 120V Division 1 Signal Light Kit D1SL1 393684

Explosion proof pilot light for use with HL-PC kit. Can be used as a power connection light or end seal light. Pilot light kit made with 3/4" NPSM threads and 8" flexible leads. Red LED lens. For 120V system.

## HL Series

### Hazardous Location Connection Kits *(cont'd.)*



#### Fiberglas® Tape Cable Attachments FT-3 389941

66' Roll of glass cloth tape with pressure-sensitive thermosetting silicone adhesive 3/8" wide. 500°F (260°C) rating. Strap at one foot intervals at minimum application temperatures of -40°F (-40°C)



#### Stainless Steel Pipe Strap Kit Attachments PS-1, 3, 10 & 20

**PS-1 (382352)** 1/2 to 3/4" pipes  
**PS-3 (382360)** 1 to 3-1/2" pipes  
**PS-10 (382379)** 2-1/2 to 9" pipes  
**PS-20 (382256)** 9" to 19.5" pipes



#### Aluminum Tape Cable Attachments AT-1 383355

180' Roll aluminum foil installation tape with pressure-sensitive acrylic adhesive. 2-mil thickness with high tensile strength; 2-1/2" wide. 200°F (93°C) rating. Minimum application temperatures 40°F (5°C)



#### Stripping Tool 393510

Tool for stripping the base jacket and the conductive matrix from the cable buss wires. The tool is stocked with 16 awg blades for stripping SRL, HSRL, SRM/E, HSRM and SRP and Thermwire products.