

## U Series

### Single Entry Power Connection Kit

- NEMA 4X
- Entry for 1 Cable
- 3/4" Conduit Hub Opening
- Lighted or Non-Lighted

### Multiple Entry Connection Box

- NEMA 4X
- Entry for up to 3 Cables
- Power, Splice or Tee Connection
- 3/4" Conduit Hub Opening

### Above Insulation End Seal Kit

- NEMA 4X
- Fits All Pipe Sizes
- Mounts Above the Insulation for Easy Access
- Lighted or Non-Lighted

### Pipe Standoff Kit

- Brings Cable Outside Insulation to Customer Supplied Junction Box

### Under Insulation End Seal Kit

- 3" Dia. Curved Mounting Surface
- Stainless Steel Hardware
- 1" Wide Strapping Channel for Secure Mounting

### Small Pipe Adapter for Pipes Under 1-1/2" Diameter



### Description

The U-Series Connection Kits represent cutting edge design in heat tracing accessories. Each model in this series is designed to satisfy the unique demands of a particular operation. These high-quality models combine a variety of functions in a convenient, easy-to-use and economical package.

### Applications

These accessories are designed to connect SRL, SRP, SRM/E and CWM heating cables to customer-supplied wiring in any of the following applications:

- Freeze Protection
- Piping Process Temperature Maintenance
- Fluid Flow and Viscosity Maintenance

### Approvals

Factory Mutual (FM) Approved and CSA certified for ordinary areas. ATEX, IECEx, FM, and CSA Approved for hazardous (classified) areas.



**Ordinary areas and**

- Class I, Div. 2, Groups B, C, D
- Class II, Div. 2, Groups E\*, F, G
- Class III
- For T-ratings see heating cable
- UPC, UMC, UES, RTES only
- \*excluded for UESL



**Ordinary areas and**

- Class I, Div. 2, Groups B, C, D
- Class II, Div. 2, Groups E\*, F, G
- Class III, Div. 2
- For T-ratings see heating cable
- UPC, UMC, UES only
- \*excluded for UESL and RTES



ATEX ETL24ATEX0405X  
 · II 2 G Ex eb IIC Gb T\*\*  
 · -60°C ≤ Tamb ≤ +195°C  
 · UPC, UMC, UES, RTES only  
 \*\*For T-ratings, see heating cable



IECEx ITS 07.0018X  
 · Ex eb II Gb T\*\*  
 · -60°C ≤ Tamb ≤ 195°C  
 · UPC, UMC, UES, RTES only  
 \*\*For T-ratings see heating cable

†SSK to have these approvals when a junction box is used that is NEMA 4X rated and certified by appropriate third party agency for use for that application and hazardous locations rating (Div. 2).

### Features

- Molded of Durable Polyphenylene Sulphide Plastic
- Maximum Pipe Temperature 482°F (250°C)
- Corrosion Resistant
- Spring loaded terminal block 22-8 AWG
- Non-Flammable
- High Strength and Rigidity
- Captive Hardware
- Stainless Steel Hardware to Ensure the Integrity of the System
- Liquid Tight Design Prevents Moisture from Reaching the Electrical Connections
- All Models are Rated NEMA 4X.



## U Series

### UPC Power Connection Box PCN 393553

NEMA 4X rated junction box designed to connect SRL, SRP, SRM/E and CWM cables to customer supplied power wiring. This kit provides water-resistant cable entry for one cable, enclosure support, terminal block, and a water-resistant corrosion-resistant wiring enclosure with a 3/4" opening to accept a conduit hub (CCH-2 or equal). A pipe strap (PS Series) is required to attach this model to a pipe. Small pipe adapter is available for pipe size less than 1-1/2".

\*Use as end seal for monitor wire cables.

**Kit Dimensions:** 9.78"H x 4.78"W x 3.6"D

#### Kit Includes:

- 1 Junction box with DIN rail & terminal block
- 1 Compression fitting
- 1 Locknut
- 1 Silicone termination boot
- 1 Pipe standoff
- 1 O-ring
- 1 Self-regulating cable grommet
- 1 Constant wattage cable grommet



### UMC Multiple Entry Connection Box PCN 393561

NEMA 4X rated junction box designed to connect two or three SRL, SRP, SRM/E and CWM cables to customer supplied power wiring. This kit provides water-resistant cable entry, enclosure support, terminal block and a water-resistant, corrosion-resistant wiring enclosure. In addition to splicing or teeing cables, this model can be used to provide power connection to up to three cables from one connection kit. A pipe strap (PS series) is required to attach this model to a pipe. Small pipe adapter is available for pipe size less than 1-1/2".

\*Use as power connection for monitor wire cables.

**Kit Dimensions:** 9.78"H x 8.69"W x 3.6"D

#### Kit Includes:

- 1 Junction box with din rail and terminal block
- 1 Compression fitting
- 1 Locknut
- 3 Silicone termination boots
- 1 Pipe standoff
- 1 O-ring
- 1 Self-regulating cable grommet
- 1 Constant wattage cable grommet
- 1 Self-regulating cable grommet insert
- 1 Constant wattage cable grommet insert



## U Series

### UES Above Insulation End Seal Kit PCN 393570

NEMA 4X rated end seal designed of to terminate SRL, SRP, SRM/E and CWM cables. This kit provides water-resistant cable termination for one cable. It has a corrosion-resistant pipe stand-off that brings the cable end outside of the insulation for easy connection to power. A pipe strap (PS Series) is required to attach this model to a pipe. Small pipe adapter is available for pipe size less than 1-1/2".

**Kit Dimensions:** 5.5"H x 2.75"W x 2.25"D

**Kit Includes:**

- 1 End cap
- 1 Pipe standoff
- 1 Self-regulating cable grommet
- 1 Constant wattage cable grommet



### RTES Under Insulation End Seal Kit PCN 389570

NEMA 4X rated enclosure is designed to terminate SRL, SRP, SRM/E and CWM cables. This kit provides water-resistant cable entry for one cable, enclosure support and a water-resistant corrosion-resistant enclosure. The fitting has two different curved mounting surfaces. One side has a 1-1/2" radius curved surface that provides stable support on pipes with a diameter of 3" or more. The other side has a 1/2" radius curved surface which permits a better fit on smaller pipes. A pipe strap (PS Series) is required to attach this model to a pipe. In addition, this side also has four "feet" for installation on flat surfaces.

**Kit Dimensions:** 1.25"H x 1.75"W x 2"D

**Kit Includes:**

- 1 End Cap
- 1 Pressure Plate
- 1 GRSR Self-Regulating Cable Sealing Grommet
- 1 GRCW Constant Wattage Cable Sealing Grommet



## U Series

### UESL RED End Seal Signal Light Kit PCN 394257

NEMA 4X rated end seal designed to seal one cable and indicate power on with RED universal voltage 120-277V LED indicator light kit designed for use with SRL, SRP, SRM/E and CWM cables. This model provides water-resistant cable entry and corrosion-resistant wiring enclosure. A pipe strap (PS Series) is required to attach this model to a pipe. Small pipe adapter is available for pipe size less than 1-1/2".

**Kit Dimensions:** 7"H x 3.25"W x 3.25"D

**Kit Includes:**

- 1 Pipe standoff
- 1 Self-regulating cable grommet
- 1 Constant wattage cable grommet
- 1 RED Universal Voltage 120-277V LED Light Assembly
- 2 Insulated parallel splices



### UESL-G GREEN End Seal Signal Light Kit PCN 394353

NEMA 4X rated end seal designed to seal one cable and indicate power on with GREEN universal voltage 120-277V LED indicator light kit designed for use with SRL, SRP, SRM/E and CWM cables. This model provides water-resistant cable entry and corrosion-resistant wiring enclosure. A pipe strap (PS Series) is required to attach this model to a pipe. Small pipe adapter is available for pipe size less than 1-1/2".

**Kit Dimensions:** 7"H x 3.25"W x 3.25"D

**Kit Includes:**

- 1 Pipe standoff
- 1 Self-regulating cable grommet
- 1 Constant wattage cable grommet
- 1 GREEN Universal Voltage 120-277V LED Light Assembly
- 2 Insulated parallel splices



### UAS Ambient-Sensing Thermostat\* PCN 394038

NEMA 4X rated junction box designed to connect a single SRL, SRP, SRM/E or CWM cable run to power and control cable output via ambient air temperature in non-hazardous areas. This kit provides water-resistant cable entry for one cable, enclosure support, terminal block and a water resistant corrosion resistant wiring enclosure with a 3/4" opening to accept a conduit hub (CCH-2 or equal). Stainless steel sheath probe is 9/16" diameter x 3" long. Switch rated for 22 amps SPDT 120-480 volts. Operating temperature range is -40°F to 160°F (-40°C to 71°C). Temperature set point 0° to 225°F (-18°C to 107°C) with 10°F scale divisions.

**\*Only for ordinary areas.**

**Kit Dimensions:** 9.78"H x 8.69"W x 3.6"D



**Kit Includes:**

- 1 Junction box with DIN rail & terminal block
- 1 Compression fitting
- 1 Locknut
- 1 Silicone termination boot
- 1 Pipe standoff
- 1 O-ring
- 1 Self-regulating cable grommet
- 1 Constant wattage cable grommet

## U Series

### USL Signal Light Kit\* PCN 393588

NEMA 4X rated end seal designed to power or seal one cable and indicate power on with universal voltage 120-277 LED indicator light kit designed for use with SRL, SRP, SRM/E and CWM cables. This model provides water-resistant cable entry, enclosure support, terminal block, and corrosion-resistant wiring enclosure. A pipe strap (PS Series) is required to attach this model to a pipe. Small pipe adapter is available for pipe size less than 1-1/2".

\* Only Approved for Ordinary Areas.

**Kit Dimensions:** 9.78"H x 4.78"W x 3.6"D

**Kit Includes:**

- 1 Junction box with DIN rail & terminal block
- 1 Compression fitting
- 1 Locknut
- 1 Silicone termination boot
- 1 Pipe standoff
- 1 O-ring
- 1 Self-regulating cable grommet
- 1 Constant wattage cable grommet
- 1 Universal voltage 120-277V LED light assy.



### UBC Line-Sensing Thermostat\* PCN 394011

NEMA 4X rated junction box designed to connect a single SRL, SRP, SRM/E or CWM cable run to power and control cable output via pipe temperature in non-hazardous areas. This kit provides water-resistant cable entry for one cable, enclosure support, terminal block and a water resistant corrosion resistant wiring enclosure with a 3/4" opening to accept a conduit hub (CCH-2 or equal). Stainless steel bulb is 1/4" diameter x 7-1/4" long with 3ft capillary. Switch rated for 22 amps SPDT 120-480 volts. Operating temperature range is -40°F to 160°F (-40°C to 71°C). Temperature set point 0° to 400°F (-18°C to 200°C) with 10°F.

\* Only approved for ordinary areas.

**Kit Dimensions:** 9.78"H x 8.69"W x 3.6"D

**Kit Includes:**

- 1 Junction box with DIN rail & terminal block
- 1 Compression fitting
- 1 Locknut
- 1 Silicone termination boot
- 1 Pipe standoff
- 1 O-ring
- 1 Self-regulating cable grommet
- 1 Constant wattage cable grommet
- 1 Line-sensing thermostat assembly

