# Ex Universal Connector Box Installation Instructions

**READ THE FOLLOWING INSTRUCTIONS CAREFULLY**

The Signaline Ex Universal Connector Box (Signaline Ex UCB) consists of a kit of parts that can easily be configured into an End of Line Unit, a Junction Box or an Interposing Line Box.

The kit consists of the following

1 x enclosure
2 x brass glands
2 x Ex nylon glands
1 x Ex nylon stopping plug
1 x terminal block (fitted)
1 x terminal block holder (fitted)
1 x 470 ohm resistor (colour code: yellow/violet/brown/gold)
1 x 680 ohm resistor (colour code: blue/grey/brown/gold)

Please note that the components in this kit have been specially selected to withstand the temperatures higher than the maximum alarm temperature of the heat sensing cable.

The Signaline Ex Universal Connector Box is suitable for use with the following cable types:

Signaline FT-68
Signaline FT-68-R
Signaline FT-88
Signaline FT-88-R
Signaline FT-105
Signaline FT-105-R

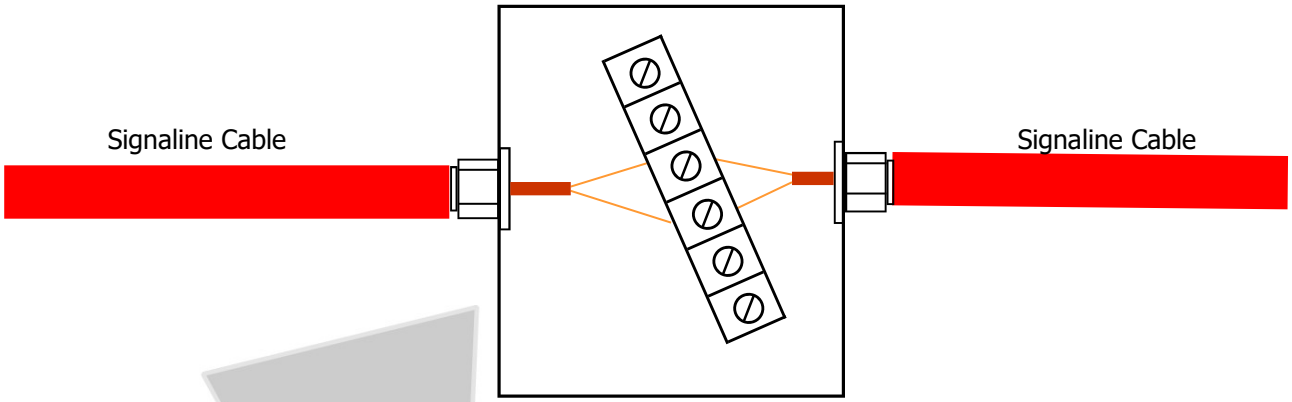
It is **not** suitable for use with Signaline FT-185-R or FT-230-X high temperature cable

**LGM PRODUCTS LTD**
**Unit 3 Quantum Business Park**
**Beacon Hill Road**
**Fleet, GU52 8EA**
**UNITED KINGDOM**

**TEL +44 (0) 1252 725257**
**FAX +44 (0) 1252 727627**
**E-mail sales@lgmproducts.com**
**www.signaline.com**

# Ex Universal Connector Box Installation Instructions

## Junction Box




**Required parts**

1 x Ex enclosure
2 x Ex brass glands
1 x terminal block (fitted)
1 x terminal block holder (fitted)

**Fitting instructions**

1. Remove the lid and fix the enclosure to its desired location using the 4 fixing holes
2. Fit the 2 brass cable glands into the enclosure together with the cable,
3. strictly following the instructions provide with the gland.
4. Connect the heat sensing cable as shown above
5. Replace the lid of the enclosure with the screws provided

**Important note:**

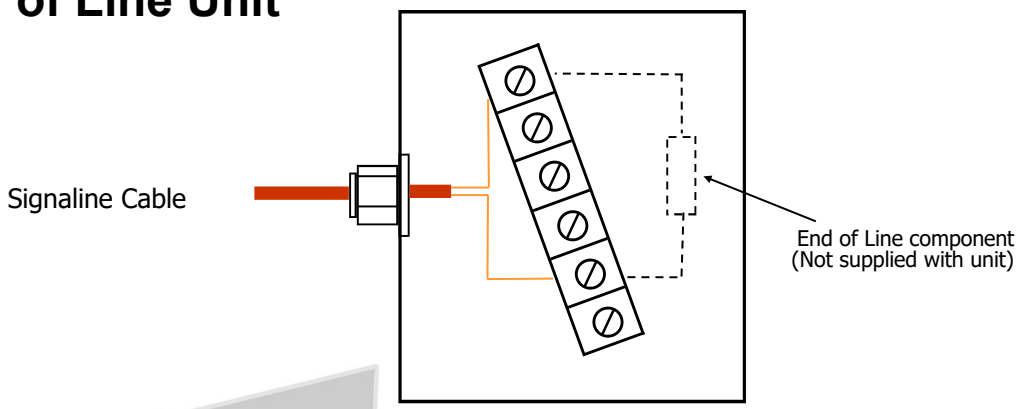
Do not use the nylon cable glands as they do not clamp down tight onto the Signaline cable and will not maintain the I.P. Rating of the enclosure. Use the brass glands as specified above.

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# Ex Universal Connector Box Installation Instructions

## End of Line Unit




**Required parts**

1 x Ex enclosure
1 x terminal block (fitted)
1 x Ex Stopping plug
1 x Ex Brass gland
1 x terminal block holder (fitted)

**Fitting instructions**

1. Remove the lid and fix the enclosure to its desired location using the 4 fixing holes
2. Fit an approved stopping plug into one of the M20 cable gland entries
3. Fit a brass cable glands into the enclosure together with the cable, strictly following the instructions provide with the gland.
4. Connect the heat sensing cable as shown above
5. Fit the end of line component supplied by the fire control panel manufacturer as shown above.
6. Replace the lid of the enclosure with the screws provided

**Important note:**

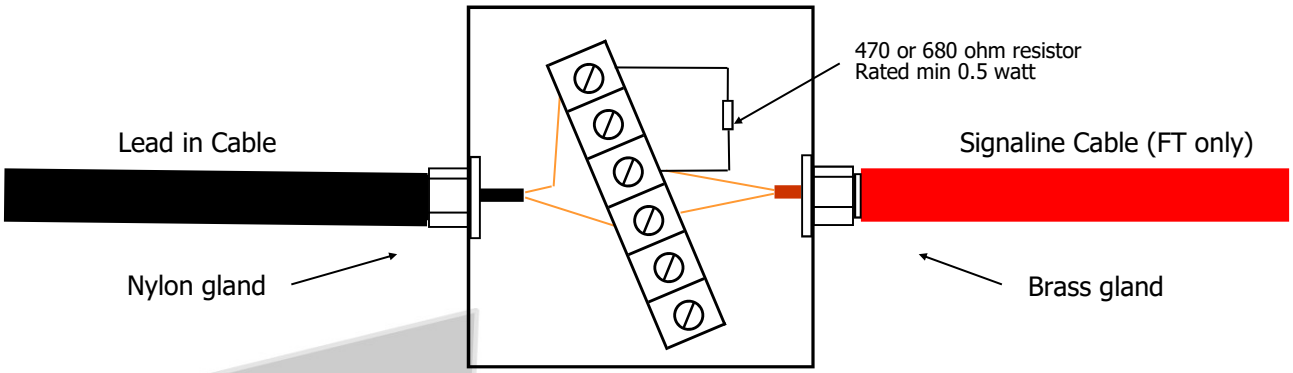
Do not use the nylon cable glands as they do not clamp down tight onto the Signaline cable and will not maintain the I.P. Rating of the enclosure. Use the brass glands as specified above.

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# Ex Universal Connector Box Installation Instructions

## Interposing Line Box




**Required parts**

1 x Ex enclosure
1 x terminal block (fitted)
1 x Ex nylon gland
1 x Ex Brass gland
1 x terminal block holder (fitted)
470 ohm or 680 ohm resistor as required

**Fitting instructions**

1. Remove the lid and fix the enclosure to its desired location using the 4 fixing holes
2. Fit a brass cable glands into the enclosure together with the cable, strictly following the instructions provide with the gland.
3. Connect the heat sensing cable as shown above
4. Fit the nylon cable gland and incoming cable.
5. Connect the cable as shown above
6. Fit the resistor as shown above. The choice of resistor will depend on the characteristics of the fire control panel. Refer to panel manufacturers instructions for further information
7. Replace the lid of the enclosure with the screws provided

**Important note:**

Nylon cable glands must be used only for lead in cable as shown above. They do not clamp down tight onto the Signaline cable and will not maintain the I.P. Rating of the enclosure. Use the brass glands as specified above.

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