Fontus - Motor Conversion

Installation Instructions

⚠ INSTALLERS: PLEASE LEAVE THIS MANUAL WITH THE OWNER.

Doc # 400147

FONTUS - THINGS TO CONSIDER BEFORE INSTALLING

Inputs / Outputs

BCP - Inverted Header Side

485 - Header Side

Power Input

7v - 28v DC

Dimensions

0.86'' L x 2.42'' W

(22 mm x 62 mm)

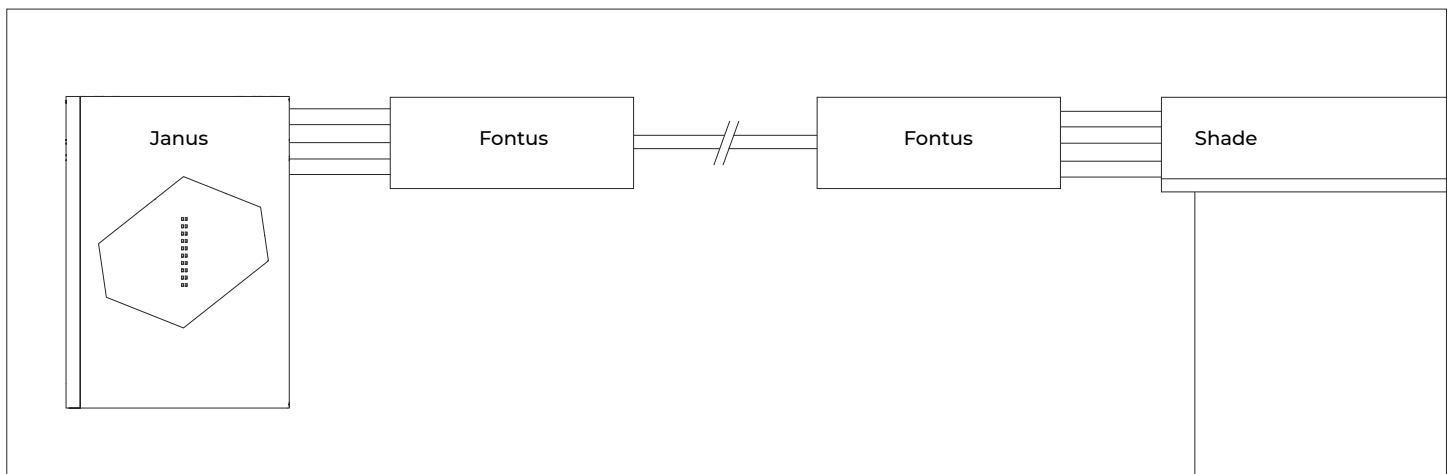### Max. Wiring Distance (UTP)

18 / 2 up to 150'

16 / 2 up to 200'

Features

· No Programming needed

· Plug-n-Play

· Full 2 way 485 Control

· Phantom power - Fontus can be powered from any AC 485 motor

· Low Voltage Power Input - Fontus can receive power via any 7v - 28v DC power

· Connectors are compatible with all 485 shades

FONTUS - WIRING OVERVIEW

# **FONTUS** - THINGS TO CONSIDER BEFORE INSTALLING

Mounting Fontus into your bracket - at the Shade end side

1. Fontus will mount in the standard Nano® bracket

2. The spring clips that normally come with the wall bracket will need to be removed to accommodate the Fontus unit.

3. Fontus needs to be placed within 1 meter of the Shade.
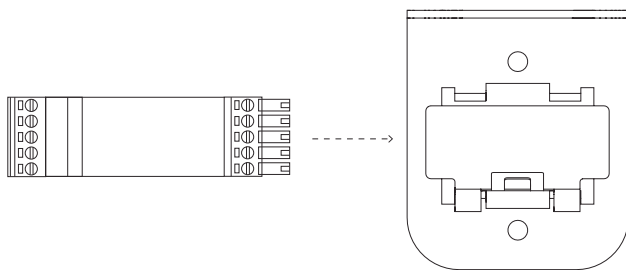
Mounting Fontus - at the Head end side

1. Fontus connects to Janus via the included jumpers (or make your own jumpers).

2. Fontus has an optional Din Rail Bracket which allows you to snap the Fontus into a Standard Din Rail. (See Janus manual to see various Din Rail mounting options).

3. You can also install on a standard rack mount shelf.

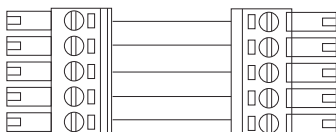4. Fontus needs to be placed within 1 meter of the Janus.
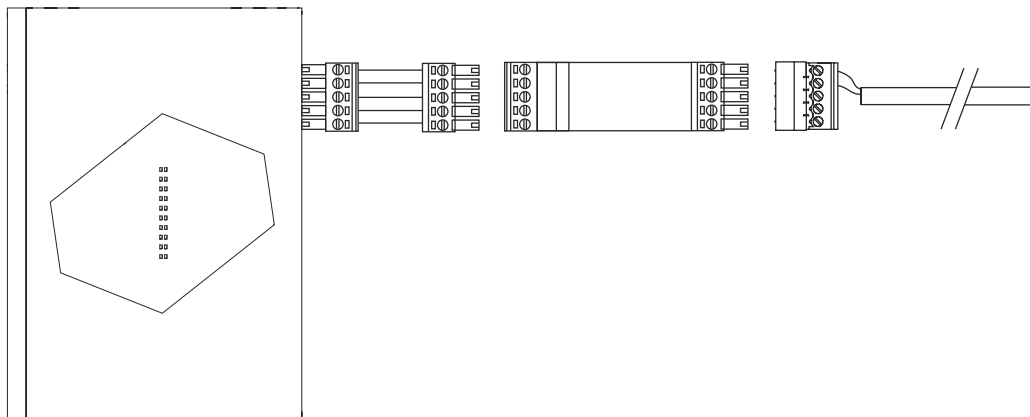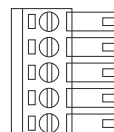
FONTUS - PACKAGE OPTIONS & IN THE BOX

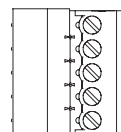## 1 Shade Conversion Kit - #201484 (In the box)
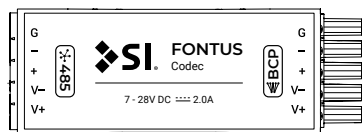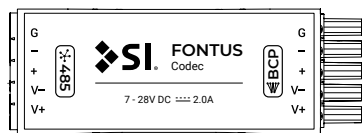
Fontus codecs (2)

Five conductor jumper (1)

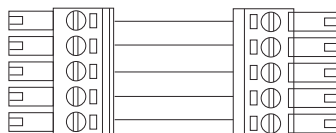Five conductor plugs (1 - white, 1 - black)

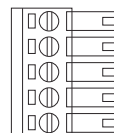Inverted five conductor plugs (1 - white, 1 - black)
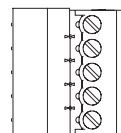
8 Shade Conversion Kit - #201485 (In the box)

Fontus codecs (16)

Five conductor jumpers (8)

Five conductor plugs (8 - white, 8 - black)

Inverted five conductor plugs (8 - white, 8 - black)

All codecs come with both white and black color options to match your shade

Changing your Fontus from White to Black

1. Remove the 485 Connector
2. Identify and locate SI Rip cord, hidden under the Terminal Block
3. Identify and locate small cut in the Heat Shrink near the bottom right corner under the terminal block
4. Position SI Rip cord in the small cut, while holding the codec firmly slowly pull the Rip cord toward the BCP side to start tearing the white heat shrink
5. You should now be able to peel the remaining white heat shrink exposing the black underneath.

SI Rip cord

Header side (485)
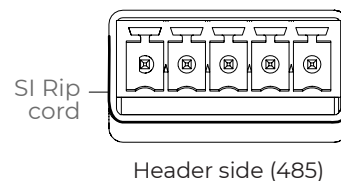
FONTUS - 1 SHADE CONVERSION

Head End (Power / Control Side)

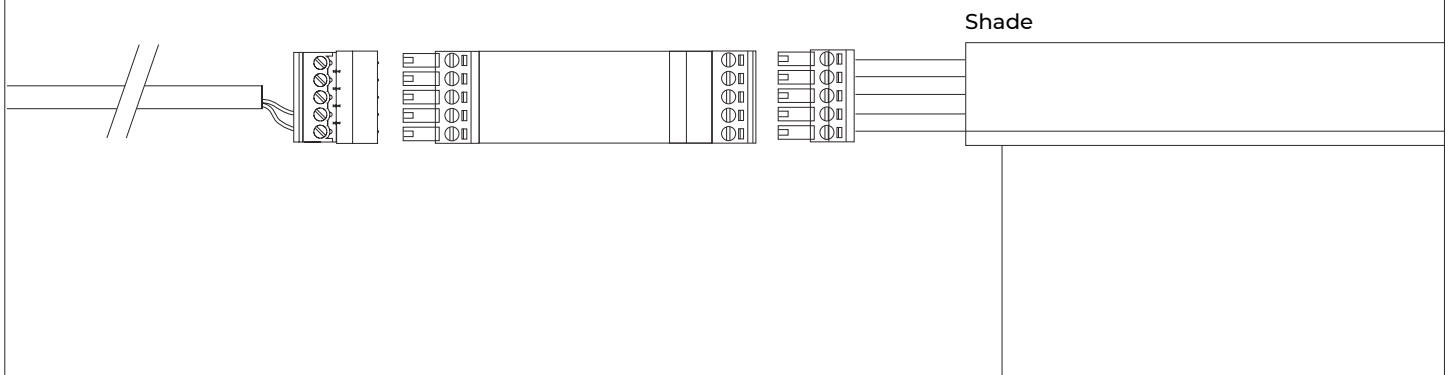1. At the head end location, connect the included jumpers (or make your own) to each terminal block output from the Janus to the 485 side of each Fontus.

   ⚠ Do not connect Fontus directly to Janus without a jumper. Fontus is directional and will only work when the 485 side is connected within 1 meter of Janus.

2. Terminate a 2-conductor wire to the V+ and V- positions on the inverted five conductor plug which will run to the shade end.

   ⚠ Do not connect the 2-conductor wire to the other 3 positions on your inverted five conductor plug. BCP only works when you are connected to the V+ and V- positions.

Janus

To the shades →

485 INPUT /
OUTPUT side

DATA Ground
- Data
+ DATA
- GROUND
+ 7 - 28v DC

G
-
+
V-
V+

G
-
+
V-
V+

Ground -
7 - 28v DC +

BCP INPUT /
OUTPUT side
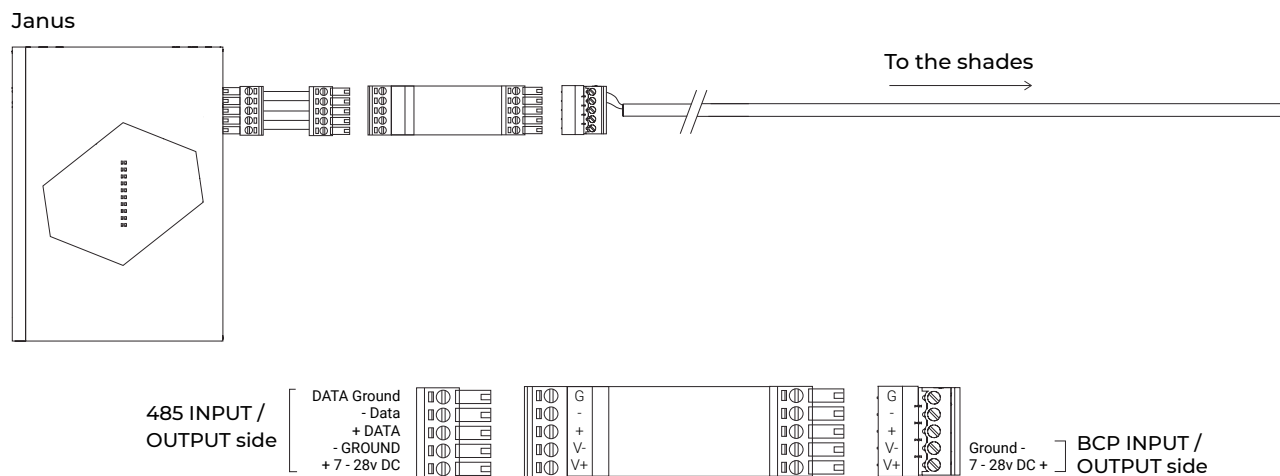
Shade End

1. Terminate a 2-conductor wire to the V+ and V- positions on the inverted five conductor plug to the BCP side of Fontus.

   ⚠ Ensure the same conductors are consistently terminated on both inverted 5 conductor plugs .

2. Connect the terminal plug coming from the shade into the header on the 485 side of Fontus.

Shade

FONTUS - DUAL MOTOR CONVERSION

Shade end with Duocoup

1. At the shade end location, connect the 2-conductor wires coming from the head end location to the inverted header V+ and V- (Fontus).

2. Connect 485 side of Fontus to the DUOCOUP inverted header, then connect the first shade to one of the other two headers, followed by connecting a second five conductor wire to the next shade.

Shade 1

Shade 2

Inverted Header

Five
conductor
Inverted plug

Five
conductor
plug

Five
conductor
plug

Duocoup
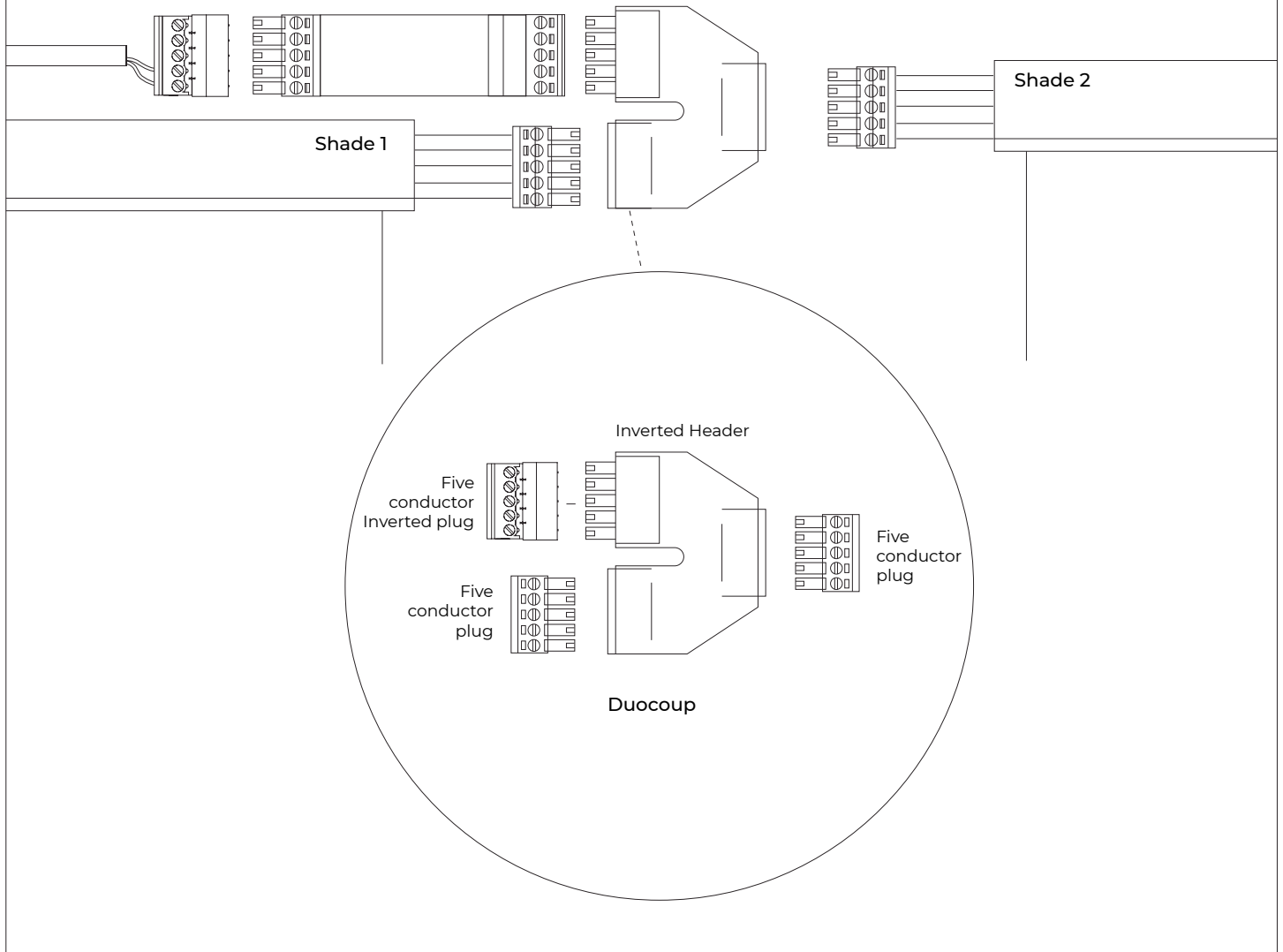
Please use this QR Code to access more documents and Video Tutorials related to the product.

Thank you for purchasing an SI product. If you have any questions or need any assistance with your Fontus, we would love to help you.

Technical Support: 512.832.6939
Hours of Support: 7:30am - 5pm CST

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