

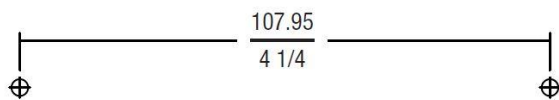
# CoreSync

## INSTALLATION GUIDE FOR SINGLE AND DUAL EXTERNAL DRIVERS

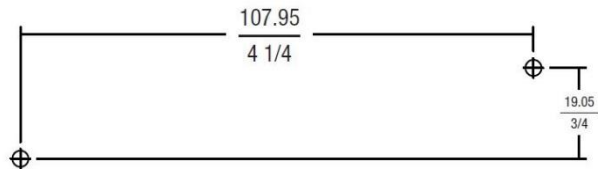
**READ AND FOLLOW ALL SAFETY INSTRUCTIONS**

**DEVICES MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN. (CHECK WITH LOCAL AND NATIONAL CODES FOR PROPER INSTALLATION).**

- 1) **CAUTION** - Observe precautions for handling electrostatic sensitive devices.
- 2) Do not use outdoors.
- 3) Not for use with dimmers.
- 4) **WARNING** – Risk of Electric Shock. Do not handle energized module with wet hands or when standing on wet or damp surfaces.
- 5) Conforms to UL 2108 standard. Certified to CAN/CSA standard C22.2 NO. 9.0. Complies with CE requirements.
- 6) Use only with Class 2 Power Unit.
- 7) Suitable for damp locations.
- 8) Maximum temperature of 40°C ambient.
- 9) Output: One (1) or two (2) channels of constant current output with a max load of 52W (depending on device) per channel AND per driver. Load voltage range of 12V to 40V.
- 10) Input: UPOE voltage range of 42-57V.
- 11) **WARRANTY** – Voided if driver has been modified from its original configuration
- 12) Mounting pattern in both orientations is shown below for both versions (Single and Dual External Drivers).



Mounting for Vertical Driver  
Mounting Hole Location  
Holes for A #6-32 Self Tapping Screw



Mounting for Horizontal Driver  
Mounting Hole Location  
Holes for A #6-32 Self Tapping Screw

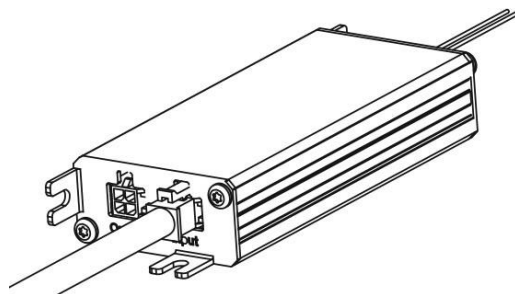
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## INSTALLATION GUIDE FOR SINGLE AND DUAL EXTERNAL DRIVERS

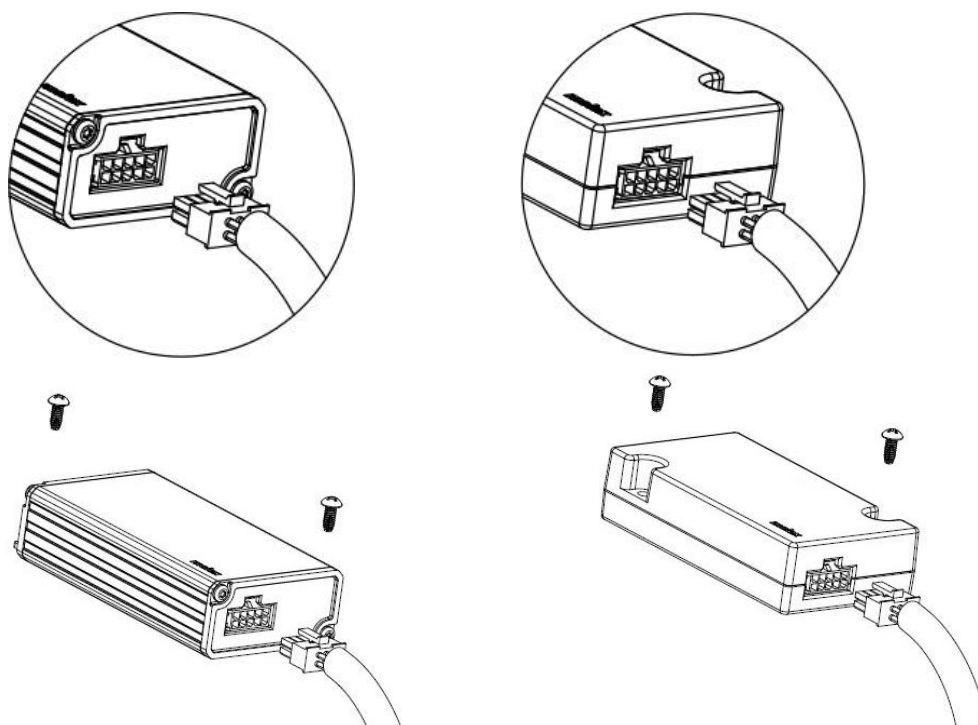
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- 1) Snap in the wire harness 2x2 PIN end as shown below to the INPUT side.

**\*\*Warning Input and Output are not interchangeable. While no damage will occur if the connections are switched, the device(s) will not function properly.**



- 2) The other end of the wire harness (5X2) goes into the Gateway side as pictured below. The Gateway is supplied separately.



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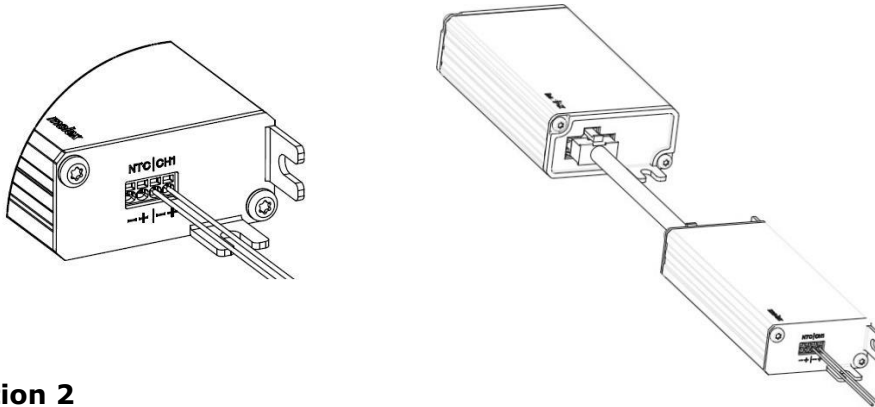
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3) Alternate connecting options:

**Option 1**

**Gateway + Single Channel Driver**

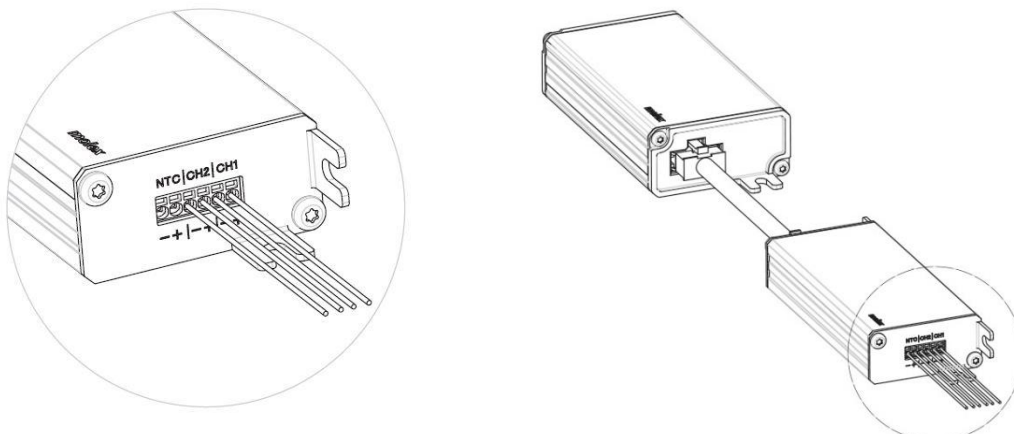
- CH1 is loaded with a single LED load. Please see the "+" and "-" as printed on endcap.t
- Poke-ins require a minimum strip length of 6mm (20-244 AWG, 75°C minimum) with a maximum length of 10 feet.



**Option 2**

**Gateway + Dual Channel Driver**

- CH1 and CH2 are loaded with two independent LED loads. Please see the "+" and "-" as printed on endcap.
- Poke-ins require a minimum strip length of 6mm (20-244 AWG, 75°C minimum) with a maximum length of 10 feet.
- Available for the DUAL driver version only.
- DO NOT CROSS JUMP between channels.



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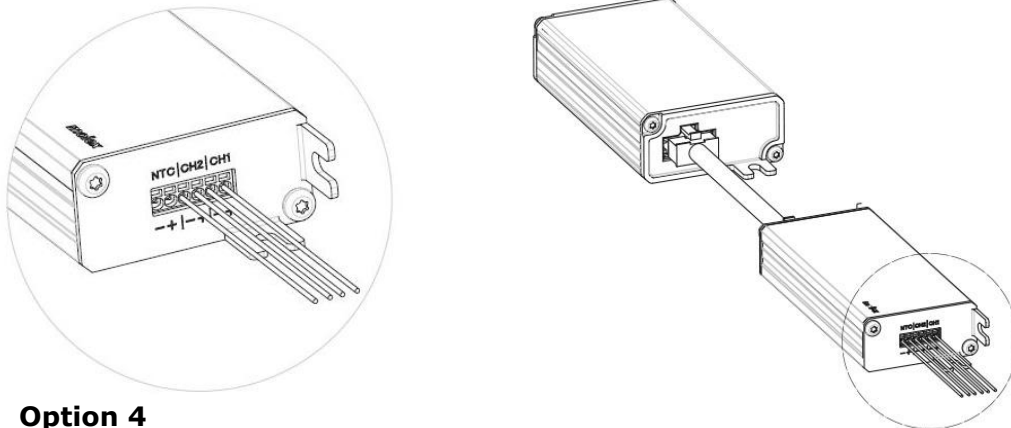
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### Option 3

#### Gateway + Dual Channel Driver + NTC

- CH1 and CH2 are loaded with two independent LED loads. Please see the "+" and "-" as printed on endcap.
- NTC provides thermal data for fold-back capability
- Poke-ins require a minimum strip length of 6mm (20-244 AWG, 75°C minimum) with a maximum length of 10 feet.
- Available for the DUAL driver version only.
- DO NOT CROSS JUMP between channels.



### Option 4

#### Gateway + Driver + Driver = daisy chain

- To daisy chain another driver, simply connect a 4-pin to 4-pin wire harness from the "Output" of the current driver, and connect the other end to the "Input" of the next driver.
- Entire daisy chain lengths from the start of the GW to the last node must be <50'.
- Up to 8 nodes can be daisy chained from one gateway as long as the maximum power of the Gateway is not exceeded.

