

CAN BUS NODE

- Waterproof (potted for no water incursion)
- Compatible with J1939
- Can be programmed to work with NMEA2000
- RGBW capability



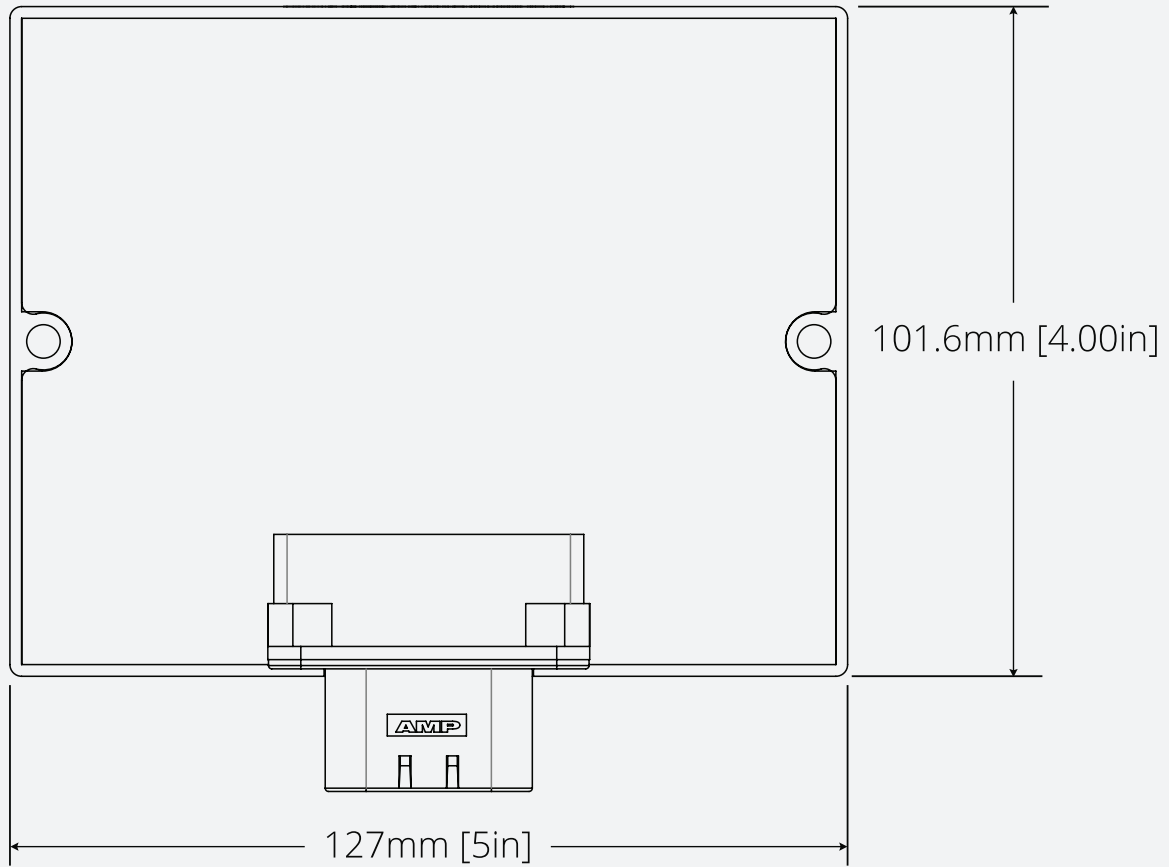
TECHNICAL INFORMATION

Supply Voltage: 10 -15 V DC
Output Type(s): 4x Low Side Switched
Current per Output: 4 A
Communications Protocol: J1939
Storage Temperature: - 40°C to 135°C
Operating Temperature: -40°C to 135°C
Baud Rate: 250 kb/s
Ingress Protection: IP65 & IP67

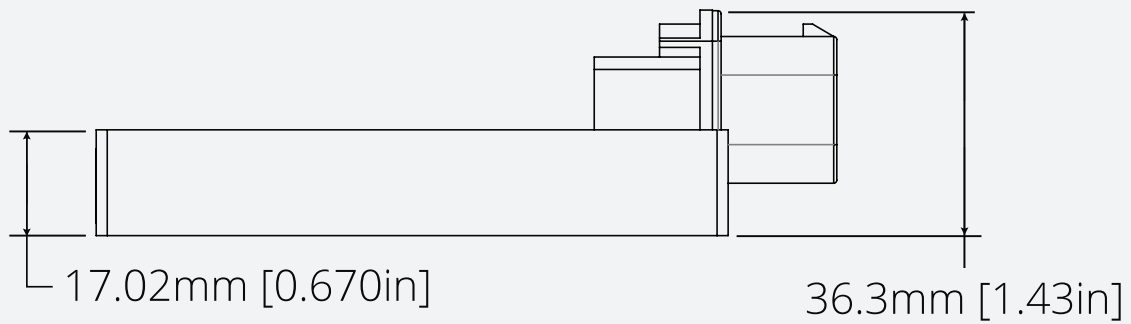
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DIMENSIONS

FRONT VIEW



SIDE VIEW



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INSTALLATION INSTRUCTIONS

PREPARATION: Keep the following in mind:

Tools required: Screwdriver (**NOTE:** screws not included due to varying applications. 3/16" screws are recommended).

- Cable is not included. Vista's CAN Bus Node uses the J1939 communication protocol. It is suggested that users follow J1939's preferred CAN bus connector types and 250 kbps cable design recommendations.
- Verify that the intended installation location has enough clearance for the CAN Bus Node to be mounted.
- Verify there is a clear path for the CAN Bus cabling to be routed before the CAN Bus Node is mounted.

Connector Pin-out / Addresses

Pin #	Description
1	SUPPLY
2	SUPPLY
3	HI_OUT
4	HI_OUT
5	LOAD 4 - RED
6	GND
7	ADDR_SEL1
8	ADDRESS SELECT 0
9	LOAD 3 - GREEN
10	GND
11	CANH
12	CANL
13	LOAD 1 - WHITE
14	LOAD 2 - BLUE

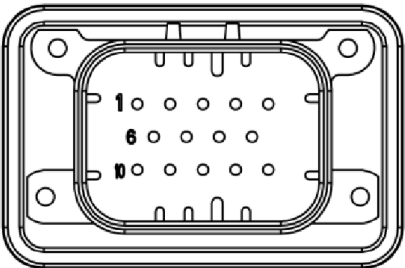


Figure 1: 14-Pin Connector (TE-1776267-1)

ADDRESS	ADDRESS SELECT 1	ADDRESS SELECT 0
0X60	OPEN	OPEN
0X61	OPEN	GROUND
0X62	GROUND	OPEN
0X63	GROUND	GROUND
0X64	OPEN	27K PULL-DOWN
0X65	27K PULL-DOWN	OPEN
0X66	GROUND	27K PULL-DOWN
0X67	27K PULL-DOWN	GROUND
0X68	27K PULL-DOWN	27K PULL-DOWN

FASTENING: Use two 3/16" screws placed through each mounting hole (**Figure 2**) to fasten the CAN Bus Node to mounting location.

NOTE: screws not included due to varying applications.

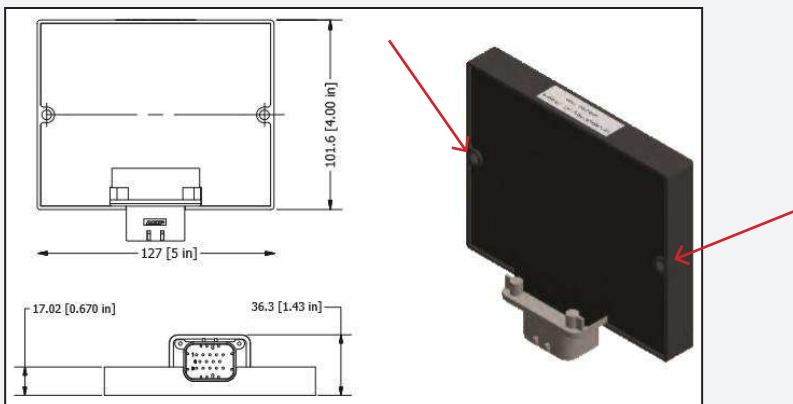


Figure 2: CAN Bus Node Mounting Hole Locations

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DISCONNECT POWER SOURCE (BATTERY) BEFORE STARTING ELECTRICAL WORK.

Recommended methods for splicing wires together (*parts not included in Vista product kits*):

- Solder and cover bare wires with heat shrink or electrical tape.
- Insulation-displacement connector (IDC) / insulation-piercing contact (IPC).
- Twist on wire connector, “wire nut”.
- Crimp connector, “Butt splice”.

WARNING:

1. Supply current and wattage must not exceed the rated values on the specification documents.
2. Incorrect polarity or improper wiring may cause personal injury and/or damage to the product. It is recommended that an electrical technician, professional, or similarly qualified individual finish wiring.
3. To avoid electrical shock risk, all failures should be examined by a qualified technician.
4. Environmental suitability, including but not limited to water resistance, varies based on product design. Unless explicitly noted, products are to be installed in a location shielded from outdoor elements. To avoid irreparable damage, refer to specification sheets to locate products in a proper environment.
5. Do not install products near an open flame or in high temperature environments unless the product is explicitly designed to function as such. Adversely, do not install products in excessively cold environments unless explicitly designed to function as such. Refer to product spec sheets/drawings for information about minimum and maximum operating temperatures.
6. Vista Manufacturing Inc. is not liable for any injuries or damage caused due to improper wiring or installation.

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