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SAFETY SUMMARY

SIGNAL WORD DEFINITION

Per the ANSI Z535.4 standard, the following signal words and definitions are used to indicate hazardous situations:

DANGER

DANGER indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION

CAUTION indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It is also used to alert against unsafe practices.

CAUTION

GENERAL SAFETY PRECAUTIONS

The following are general safety precautions that are not related to any specific procedures and therefore do not appear elsewhere in this publication. These are recommended precautions that personnel must understand and apply during many phases of operation and maintenance.

WARNING

For fire fighting use only by trained fire fighters.

CAUTION

Although the enclosure for the CAN I/O Module is water-resistant, it is important to keep water out of the enclosure. Prolonged exposure to water may cause damage.

CAUTION

This product must be wired in adherence with the SAE J1939/11 specification. Failure to do so may result in sporadic operation or non-operation.

CAUTION

While this device is designed to reside on a standard J1939 CAN network, it is recommended that Akron Brass CAN products operate on their own CAN network isolated from the other CAN networks on the vehicle.

CAUTION

PRODUCT SPECIFICATIONS

6039 CAN I/O MODULE

- Power – 8 to 33 volts DC, <0.25 amperes (less output load current)
- Operating Temperature – -40°C. to +85°C.
- Storage Temperature – -50°C. to +85°C.
- Communications – J1939/11 CAN Network
- Interface with switches whose opposing side is tied to battery positive
- Interface with loads whose opposing side is tied to battery negative
- Drives 1 amp DC loads
- Specialized variants for custom applications

INSTALLATION INSTRUCTIONS

TOOLS & MATERIALS REQUIRED

- Medium Phillips screwdriver
- Small flat screwdriver
- Wire Crimping Tool
- #8 or M4 Screws for mounting

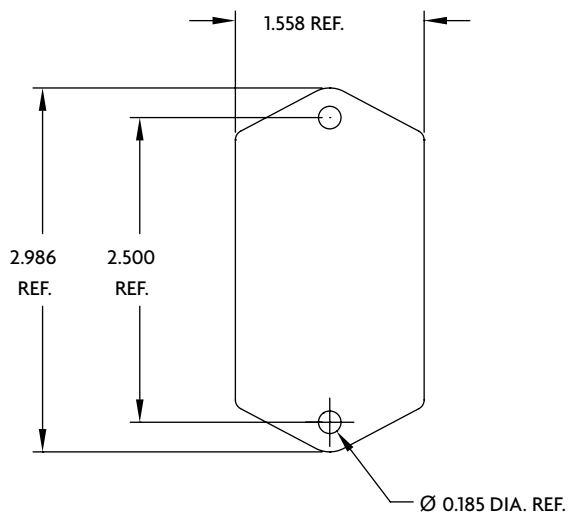
MECHANICAL INSTALLATION

The 6039 CAN I/O Module comes with flanges for mounting. The holes in the flanges readily accept #8 or M4 screws.

⚠ CAUTION

Although the enclosure for the CAN I/O Module is water-resistant, it is important to keep water out of the enclosure. Prolonged exposure to water may cause damage.

Figure 1



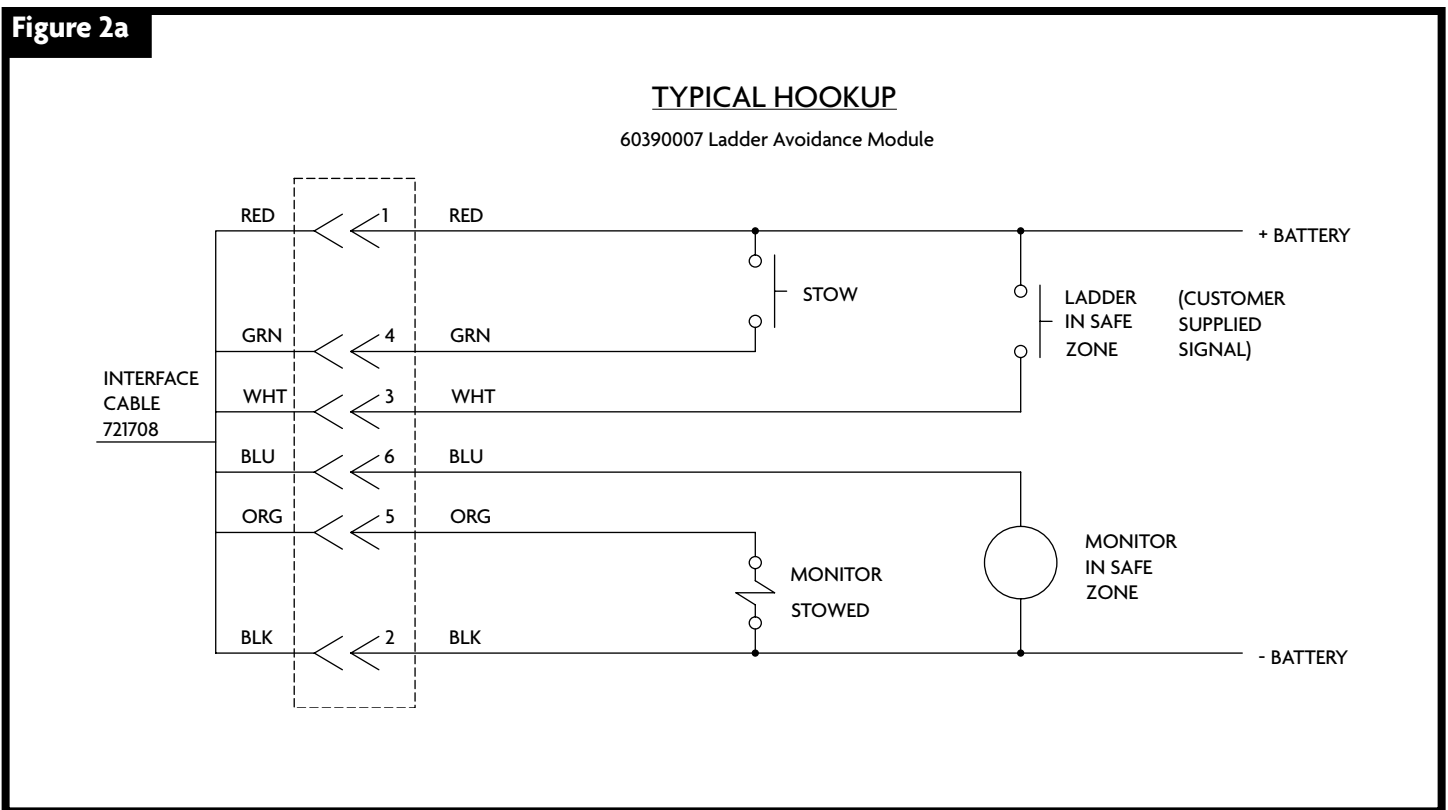
CAN I/O Module Hole Layout

ELECTRICAL INSTALLATION

The following is intended to provide the basic instructions for installation of the 6039 CAN I/O Module. Refer to Figure 2a, Figure 2b and Figure 3 for additional information. Wiring must be in compliance with SAE J1939 for proper operation.

- Step 1** Connect Battery Positive to Pin #1 of the Deutsch connector (use of Akron Brass Harness stub part number 721708 is recommended)
- Step 2** Connect Battery Negative to Pin #2 of the Deutsch connector
- Step 3** Connect Switch Input #1 to Pin #3 of the Deutsch connector (other side of switch goes to battery positive).
- Step 4** Connect Switch Input #2 to Pin #4 of the Deutsch connector (other side of switch goes to battery positive).
- Step 5** Connect Output Load #1 to Pin #5 of the Deutsch connector (other side of load goes to battery negative).
- Step 6** Connect Output Load #2 to Pin #6 of the Deutsch connector (other side of load goes to battery negative).
- Step 7** Connect 3 Pin CAN connector to J1939 CAN Network stub side of Tee.

Figure 2a



⚠ CAUTION

This product must be wired in adherence with the SAE J1939/11 specification. Failure to do so may result in sporadic operation or non-operation.

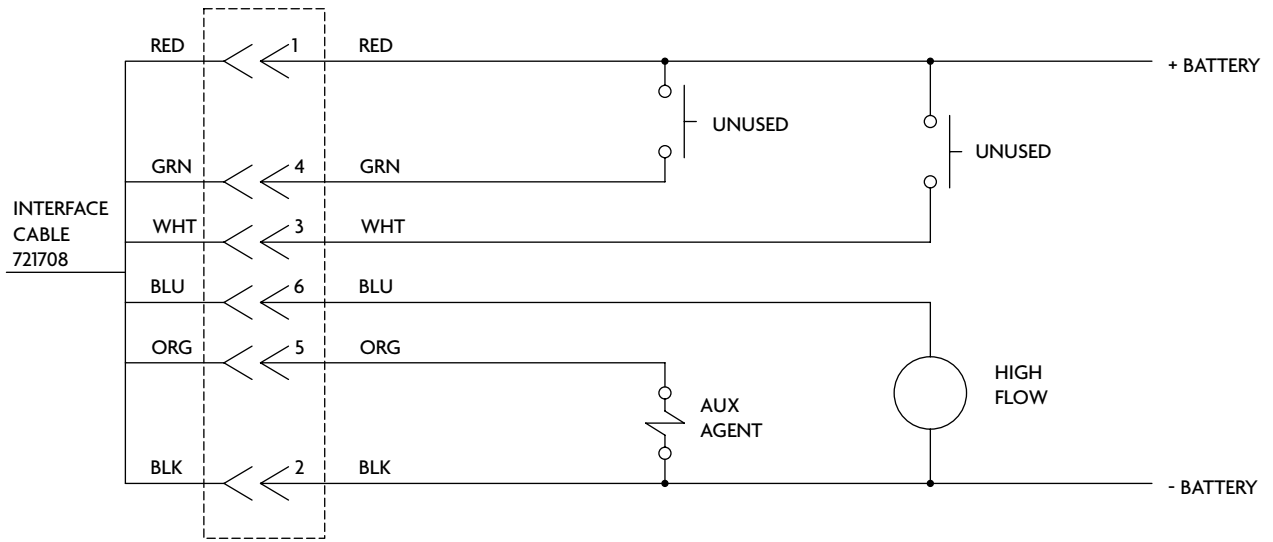
⚠ CAUTION

While this device is designed to reside on a standard J1939 CAN network, it is recommended that Akron Brass CAN products operate on their own CAN network isolated from the other CAN networks on the vehicle.

Figure 2c

TYPICAL HOOKUP

60390011 ARFF Module



OPERATING INSTRUCTIONS

NORMAL OPERATION

The 6039 CAN I/O Module is Plug and Play, and comes ready to use. Once installed, the CAN I/O Module can be used in conjunction with a Universal II or other Akron Brass control box to operate the monitor/turret.

NOTE: The 6039 CAN I/O Module is designed to be as benign as possible on a typical J1939 network. It performs standard address claiming. It issues proprietary J1939 messages. It is possible to have multiple Universal II's and CAN I/O Modules on the same network. Contact Akron Brass customer support for custom software if this is a requirement.



For fire fighting use only by trained fire fighters.

The 6039 family of CAN I/O Modules have various groups of functions. Refer to the control drawing for the 6039XXXX variant for additional I/O functions.

MAINTENANCE INSTRUCTIONS

The 6039 CAN I/O Module has no user serviceable parts inside. If the device fails to operate properly, please contact an Akron Brass customer service representative for a replacement.

TROUBLESHOOTING

AKROVIEW SOFTWARE

As with all of the Akron Brass CAN product family, the 6039 CAN I/O Module supports the Akroview Software. The software provides additional diagnostics as well as software updating and other capabilities. Contact Akron Brass for additional information on how you can obtain a copy of Akroview software.



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