

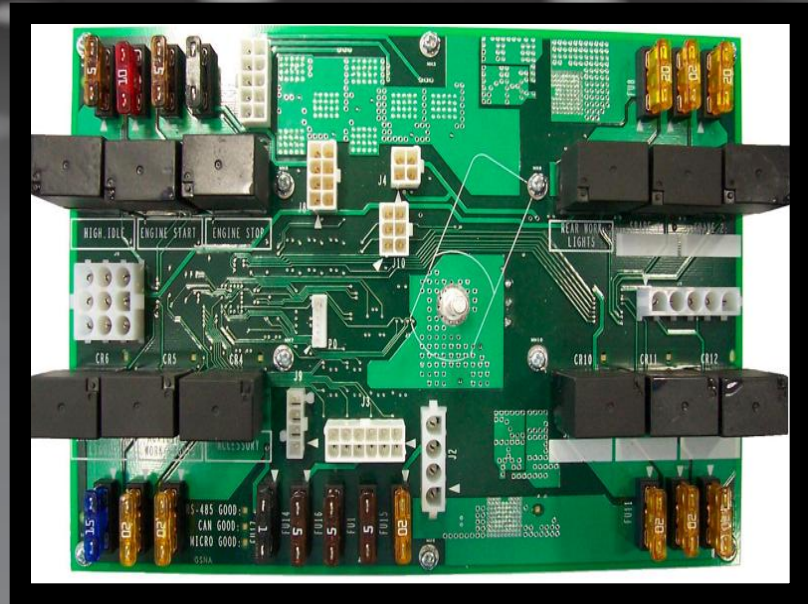
XHA2 HI AMP RELAY MODULE: CAN CONTROLLED

OVERVIEW

The High Current I/O Module is a printed circuit board relay controller with J1939 CAN bus communication.

The module is designed to be controlled by a GS switch panel or as a node on a J1939 CAN bus and uses advanced communication technology with traditional mechanical relays. This provides the operator or mechanic better diagnostic and troubleshooting features.

Assembly has the ability to “stand alone” or be controlled by a J1939 relay module and can be mounted in a standard enclosure or customized to fit your needs.



XHA2 HIGH AMP OUTPUT MODULE

Mfg#-GS09259112

Housing:

6.0" x 9.5" x 1.8"

Diagnostics:

Status LED for operation and troubleshooting

Supply:

12 Volt (9-18Vdc) or 24 Volt (+17Vdc +32Vdc)

Outputs:

12 relay outputs individually protected

Six (6) FET Outputs 3 Amps Continuous

Outputs are rated to connector terminal limitation

All outputs are protected via the fuse/circuit breaker

Each relay is circuit protected

19 Amps maximum; continuous outputs at 85°C

Maximum current per module:

100 Amps Total Continuous Current (125 Amp limited usage)

Inputs:

12 Digital Inputs (allow for stand-alone use of XHA2)

CAN Protocol:

SAEJ1939

Operating Temperature:

-40°C to 85°C (-40°F to +185°F)

Storage Temperature:

-50°C to +90°C (-58°F to +194°F)

PGN Numbers:

Outputs- 65380

Source Address- 80 (0x50)

Circuit Protection:

Output Type Options:

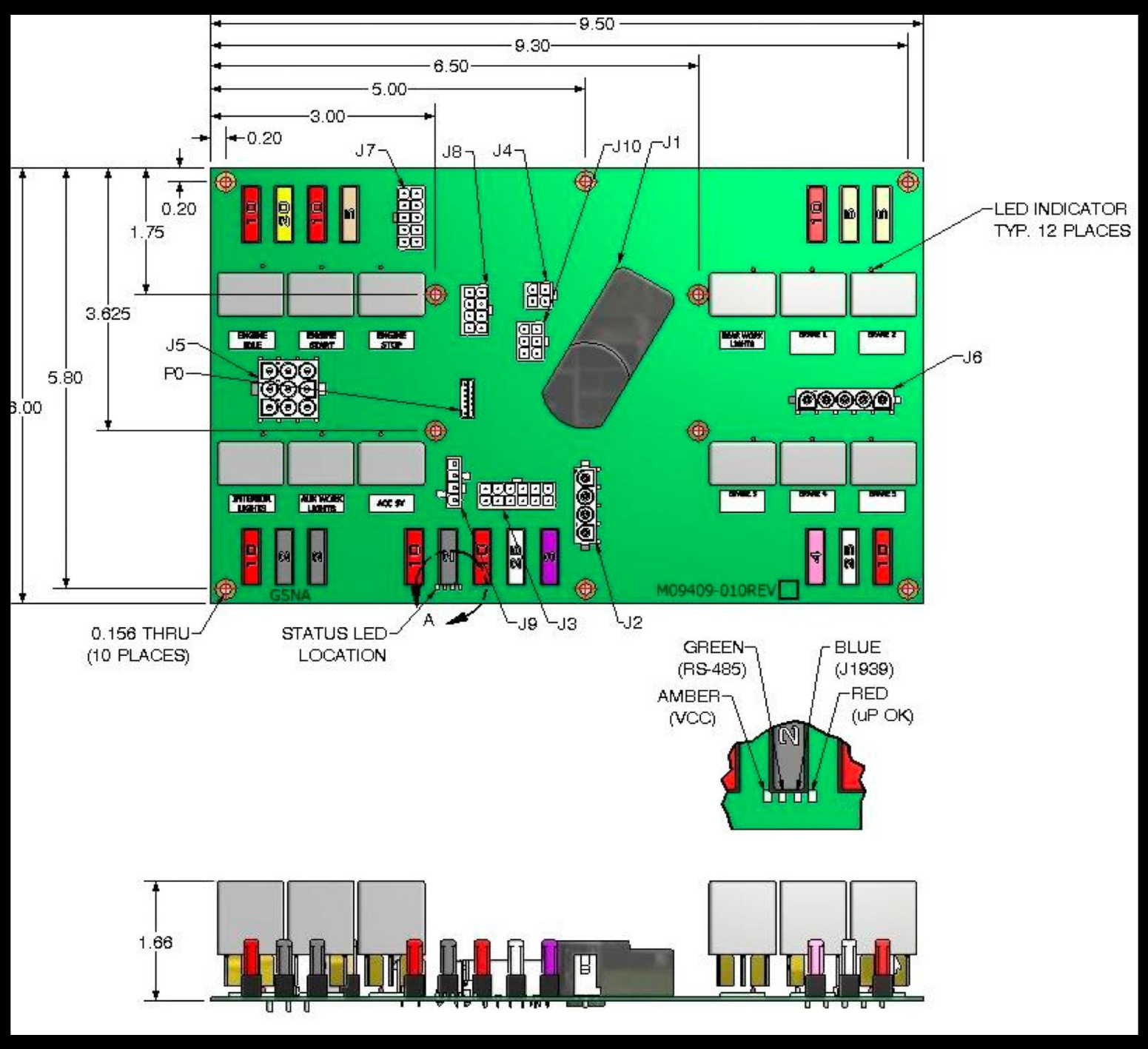
Automotive Relay

Socket Mounted

Replaceable Output Protection ATO fuse

Type I, II, or III Circuit Breaker.

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CONNECTIONS

J1 Connector:

Mating Connector: Amphenol C10-647184-061
 Pin 1: +Supply (100 Amp) (Continuous)

J2 Connector:

Mating Connector: Tyco 1-480702-0
 Pin 1: +Battery Supply
 Pin 2: Power Switch Supply
 Pin 3: Power Point (+)
 Pin 4: Common Supply

J3 Connector: Machine Connection

Mating Connector: Molex 39-01-2125
 Pin 1: +Ignition Supply
 Pin 2: 5 Amp Continuous Power
 Pin 3: 5 Amp Switched Power
 Pin 4: Indicator
 Pin 5: Crane Hour Meter (Through connect to J9)
 Pin 6: PTO Hour Meter (Through connect to J9)
 Pin 7: Digital Input 1
 Pin 8: Digital Input 2
 Pin 9: Digital Input 3
 Pin 10: Digital Input 4
 Pin 11: Digital Input 5
 Pin 12: Digital Input 6

J4 Connector: Can Connection

Mating Connector: Molex 39-01-3042
 Pin 1: CAN-H
 Pin 2: CAN-L
 Pin 3: CAN Shield
 Pin 4: No Connection

J5 Connector: Relay Outputs 1-7

Mating Connector: Tyco 1-480763-0
 Pin 1: Relay 1
 Pin 2: Relay 2
 Pin 3: Relay 3
 Pin 4: Relay 4
 Pin 5: Relay 5
 Pin 6: Relay 6
 Pin 7: Relay 7
 Pin 8: No Connection
 Pin 9: No Connection

J6 Connector: Relay Outputs 8-12

Mating Connector: Tyco 1-480706-0
 Pin 1: Relay 8
 Pin 2: Relay 9
 Pin 3: Relay 10
 Pin 4: Relay 11
 Pin 5: Relay 12

J7 Connector: FET Outputs- 4 Amp Control

Mating Connector: Molex 39-01-2100
 Pin 1: FET Out 1
 Pin 2: FET Out 2
 Pin 3: FET Out 3
 Pin 4: FET Out 4
 Pin 5: FET Out 5
 Pin 6: FET Out 6
 Pin 7: FET Common Supply
 Pin 8: FET Common Supply
 Pin 9: FET Common Supply
 Pin 10: FET Common Supply

J8 Connector: FET External Input Control

Mating Connector: Molex 39-01-2080
 Pin 1: Relay or FET Input 1
 Pin 2: Relay or FET Input 2
 Pin 3: Relay or FET Input 3
 Pin 4: Relay or FET Input 4
 Pin 5: Relay or FET Input 5
 Pin 6: Relay or FET Input 6
 Pin 7: Switch Supply
 Pin 8: Switch Supply

J9 Connector: Hour Meter Connector

Mating Connector: Molex ??????
 Pin 1: Switched Power 1 Amp Fused
 Pin 2: Crane Hour Meter Reading
 Pin 3: PTO Hour Meter Reading
 Pin 4: Not Used

J10 Connector: Switch panel Control RS-485

Mating Connector: Molex 39-01-2060
 Pin 1: Switch Panel RS-485-A
 Pin 2: Switch Panel Common Supply
 Pin 3: Switch Panel +5VDC Supply
 Pin 4: Switch Panel RS-485-/B
 Pin 5: No Connection
 Pin 6: Switch Panel Shield

!!!!!!!!!!!!!!WARNING!!!!!!!!!!!!!!

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCT AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE

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