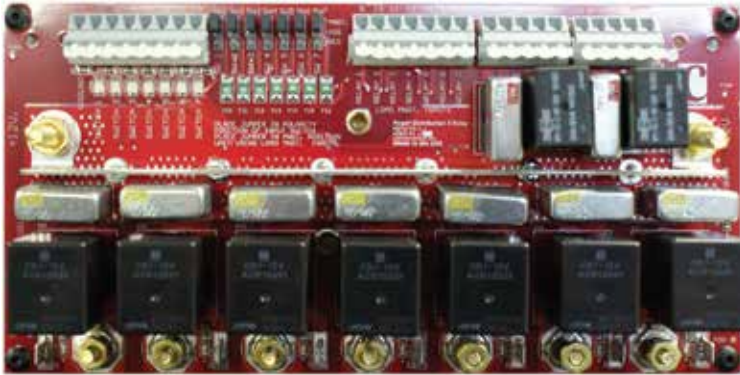




Power Distribution Relay Boards



IMPROVED RELIABILITY AND PERFORMANCE DELIVERED IN A DROP-IN DESIGN

Innovative Controls Inc. power distribution relay boards contain independent automotive switching relays with jumper selectable input polarity. The relays can be controlled from switch panels, load managers, and vehicle interlocks. The relay outputs can be connected for normally open and closed operation and the relay output circuits are protected by 20 amp circuit breakers.

The relay coil input and switched outputs contain LED indicators for visual diagnostics. The relay coils can be driven by a switch or load manager. These load manager inputs can be used in combination with actuator switches. The 9 relay power distribution board also contains two general purpose relays protected with 10 amp circuit breakers.

Improvements include integral coil side protection to prevent damage from wiring errors and poured power planes to reduce operating temperatures and voltage drop.

FEATURES

- Available with 4, 6, 8, 9, or 12 Relay Outputs
- Visual diagnostics via LED indicators
- Integral coil side protection to prevent damage from wiring errors
- Circuit board with poured power planes to reduce operating temperature and voltage drop
- Vehicle network communication options
- 9 channel Relay Contains 2 independent relays
- Custom configurations and packages

TECHNICAL SPECIFICATIONS

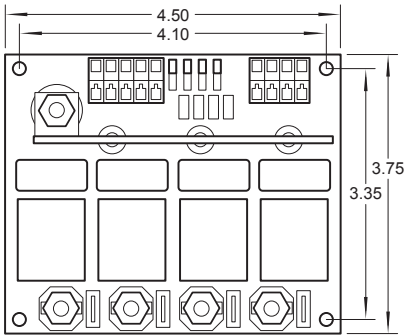
Operating Voltage	8 to 18VDC
Relay Contact Material	AgSnO alloy
Relay Contact Rating	50A at 14VDC
Contact Voltage Drop	Typical 50mV at 10A
Operate Time	20ms maximum
Release Time	20ms maximum
Relay Power Consumption	1.6W
Relay Coil Current	133mA
Relay Coil Resistance	90 Ohms
Relay Coil Circuit Protection	1A maximum via resettable fuse
Relay Output Current Max	20A
Operating Temperature	-40C to +125C (-40°F to +257°F)

MODELS

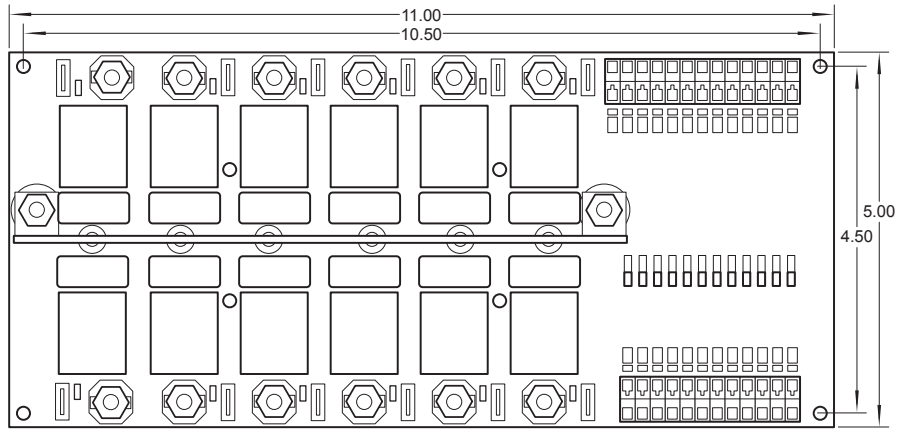
Description	Innovative Controls Part Number
4 Channel Relay Board	3050354
6 Channel Relay Board	3050355
8 Channel Relay Board with CAN Bus	3050357
9 Channel Relay Board	3050356
12 Channel Relay Board	3050358
12 Channel Relay Board with CAN Bus	3050359

see dimensions on reverse side

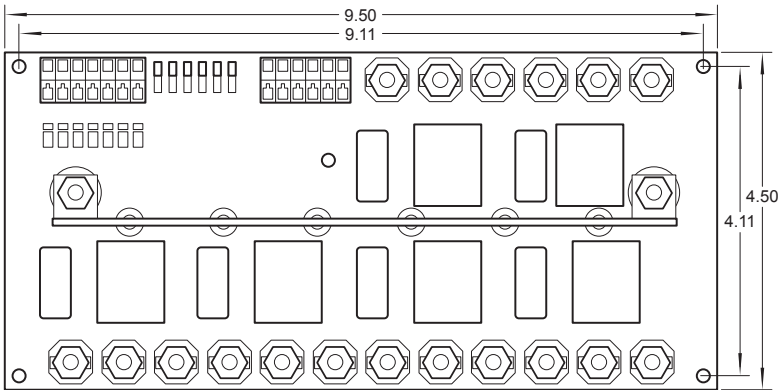
DIMENSIONS



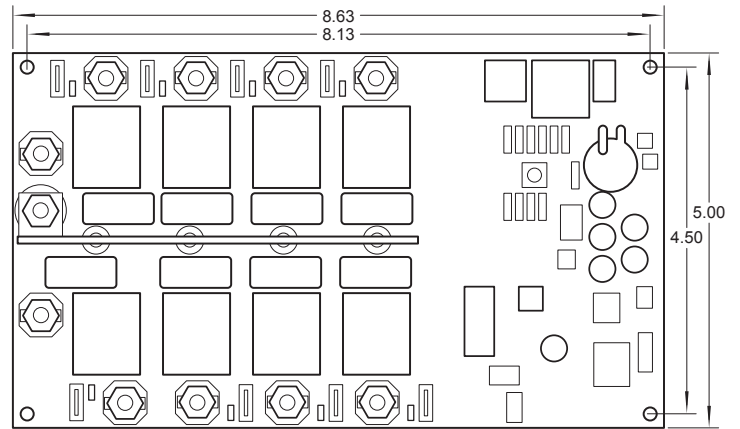
4 Channel Relay Board 3050354



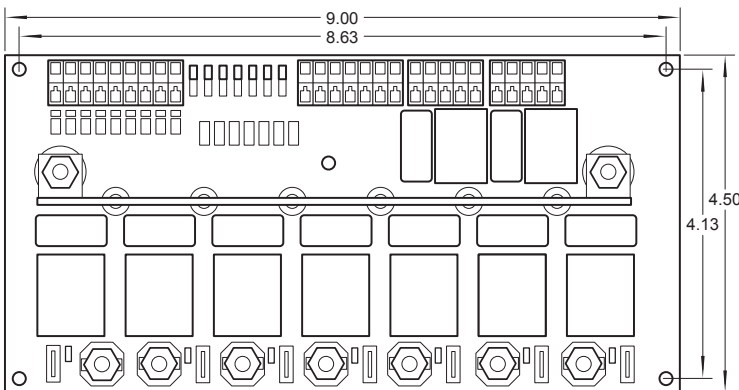
12 Channel Relay Board 3050358 (3050359 uses same dimensions)



6 Channel Relay Board 3050355



8 Channel Relay Board with CAN Bus 3050357



9 Channel Relay Board 3050356