

HOFFMANN INNOVATIONS, INC.

AMP/EFI MS3PRO

DIYAUTOTUNE

AMP EFI AXM-110 High Voltage Isolator Module

The AXM-110 high voltage module protects your ECU inputs from high voltage spikes, up to 1500 volts. Common uses include:

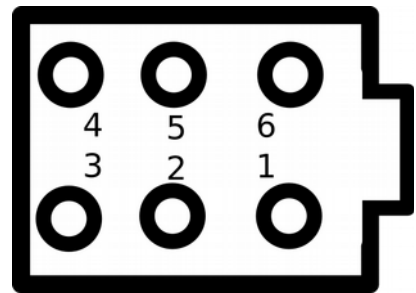
- Triggering an ECU, transmission control module, or data logging device off the negative terminal of a coil when the ECU is not controlling timing.
- Isolating a line lock or transbrake solenoid wired to an ECU or data logger input.

Do not use the AXM-110 to get a trigger signal off the coil on a CDI ignition – use the CDI ignition's output terminal instead.

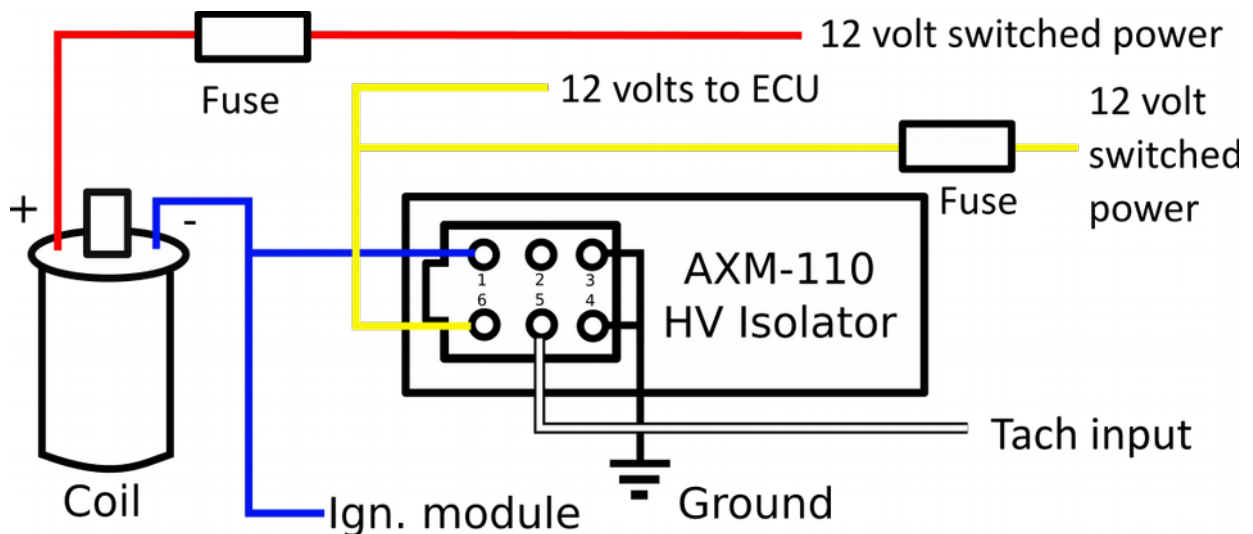
Connector

The AXM-110 module uses an Amphenol AT connector, compatible with Deutsch DT and similar motorsports connectors. We include standard “closed barrel” terminals, which you can crimp with the same sort of tools you would use for Deutsch connectors or mil-spec terminals. Waytek Wire stock number 619 is a good budget option if you do not already have a suitable tool. Here is what each pin does, by number:

1. Ignition coil input – for rapidly pulsed signals
2. Solenoid input – for simple on/off signals like a trans brake
3. Input ground
4. System ground
5. Isolated output
6. 12 volt system power

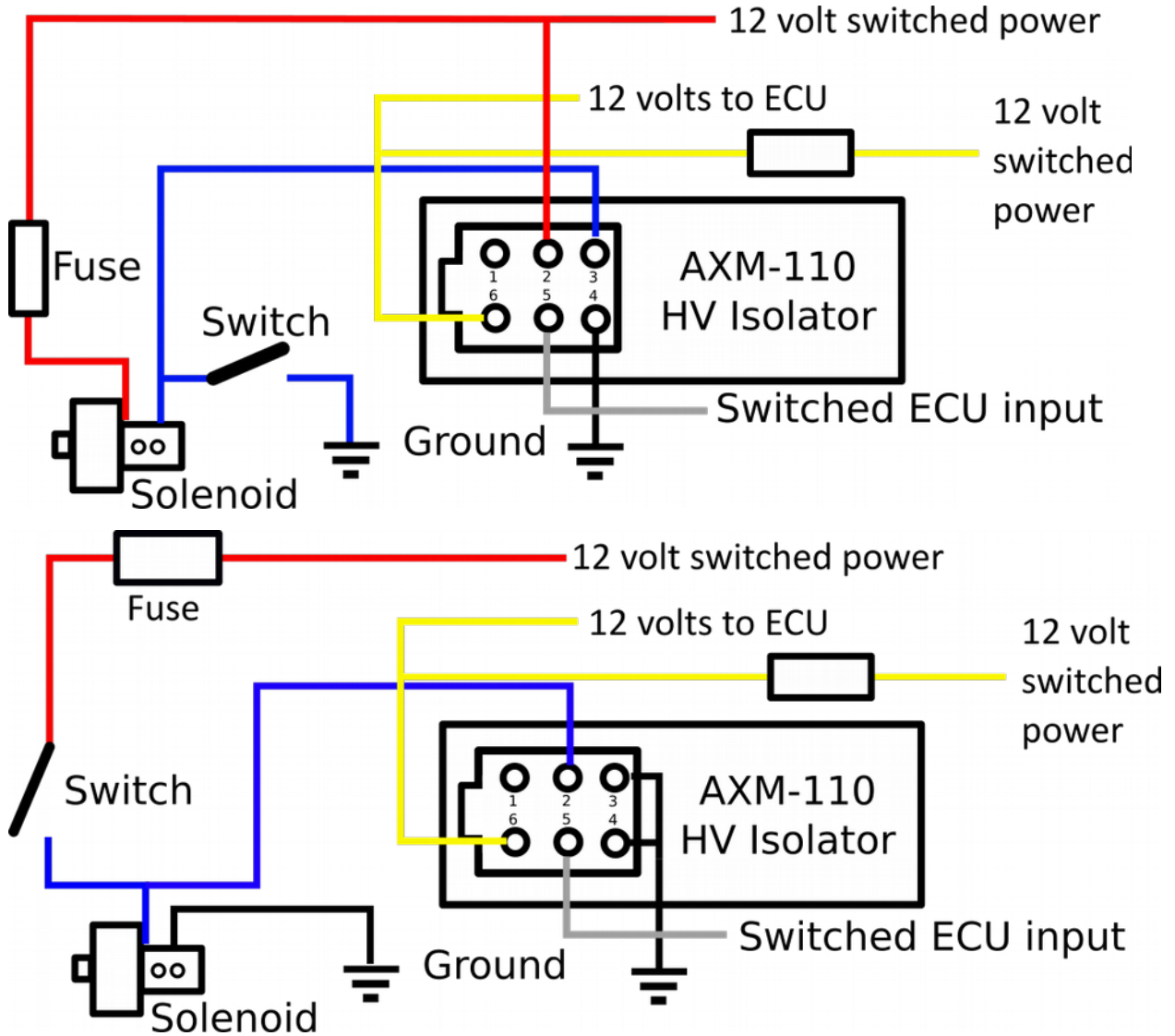


Wiring – Coil input



Wiring – Line Lock / Trans Brake

These diagrams provide a ground signal when the line lock solenoid is activated, for triggering a launch control input or similar. The input is grounded when the solenoid is energized. This isolator can work with a switch on either the positive or negative side of the solenoid.



Technical Details

- Input: 6.2V to 33.5V continuous, 1500 V peak
- Output type: Inverting, 0 to supply voltage
- System power voltage: 5.0V to 29.0V

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