

8A High Current Outputs (8A HCO)

The NEXUS R5 features 12 high side outputs which are capable of driving 8A to 12V.

Each output has a software programmable fuse current.

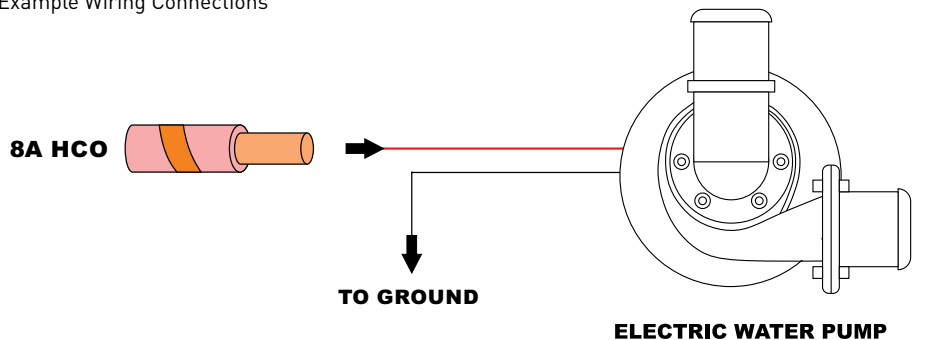
Once the electronic fuse blows the output turns off for a software programmable delay duration, before reactivating the output.

Use the software to define the maximum number of retries before the output is deactivated until the next ECU reboot. The ECU LEDs display the output state.

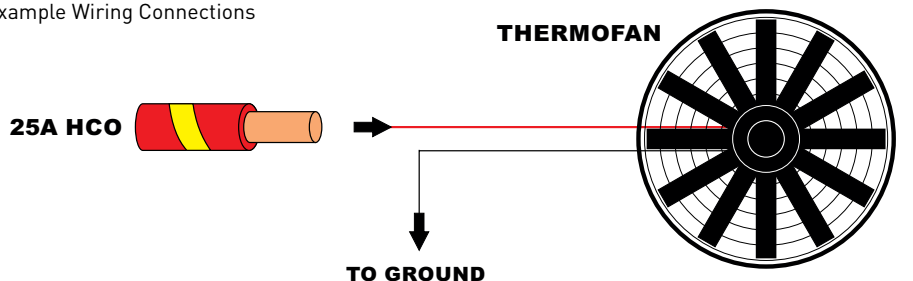
8A HCOs are PWM capable and can be used to power CAN devices or solenoids.

They can also control automatic transmission shift solenoids, water pumps, some nitrous and transbrake solenoids etc.

Example Wiring Connections



Example Wiring Connections



Specs:

- Automatic overcurrent protection
- Flyback protected
- 0 to 30V voltage feedback
- High side current feedback
- 100Hz max switching speed
- Capable of 0-100% duty cycle

25A High Current Outputs

The NEXUS R5 features four high/low outputs capable of sinking 25A to ground and driving 25A to 12V. Each output has a programmable fuse current, slow-start current and duration. Once the electronic fuse blows the output turns off for a pre-programmed delay duration before reactivating the output. Use the NSP software to define the maximum number of retries before the output is deactivated until the next ECU reboot. The ECU LEDs display the output state.

25A HCOs are PWM capable and can be used for ignition power and injector power as well as to PWM thermofans and fuel pumps, control transbrake solenoids, nitrous solenoids etc.

Specs:

- Automatic overcurrent protection
- Flyback protected
- -30 to 30V voltage feedback
- High side current feedback
- 1kHz max switching speed
- Capable of 0-100% duty cycle