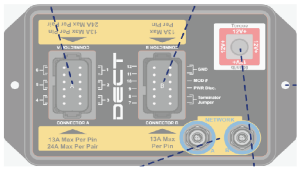
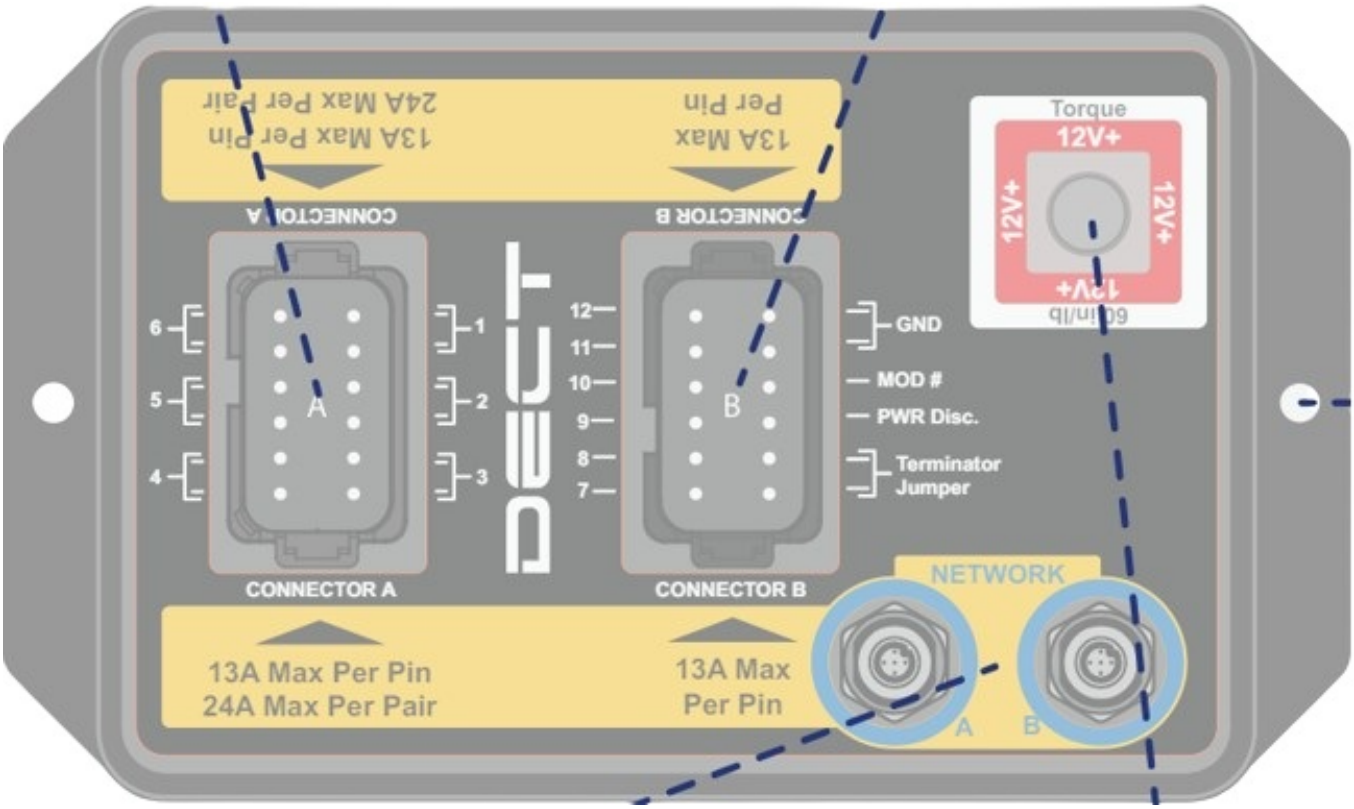
DECT PDM12 Power Distribution Module



DECT PDM12 Power Distribution Module Instructions

Contents

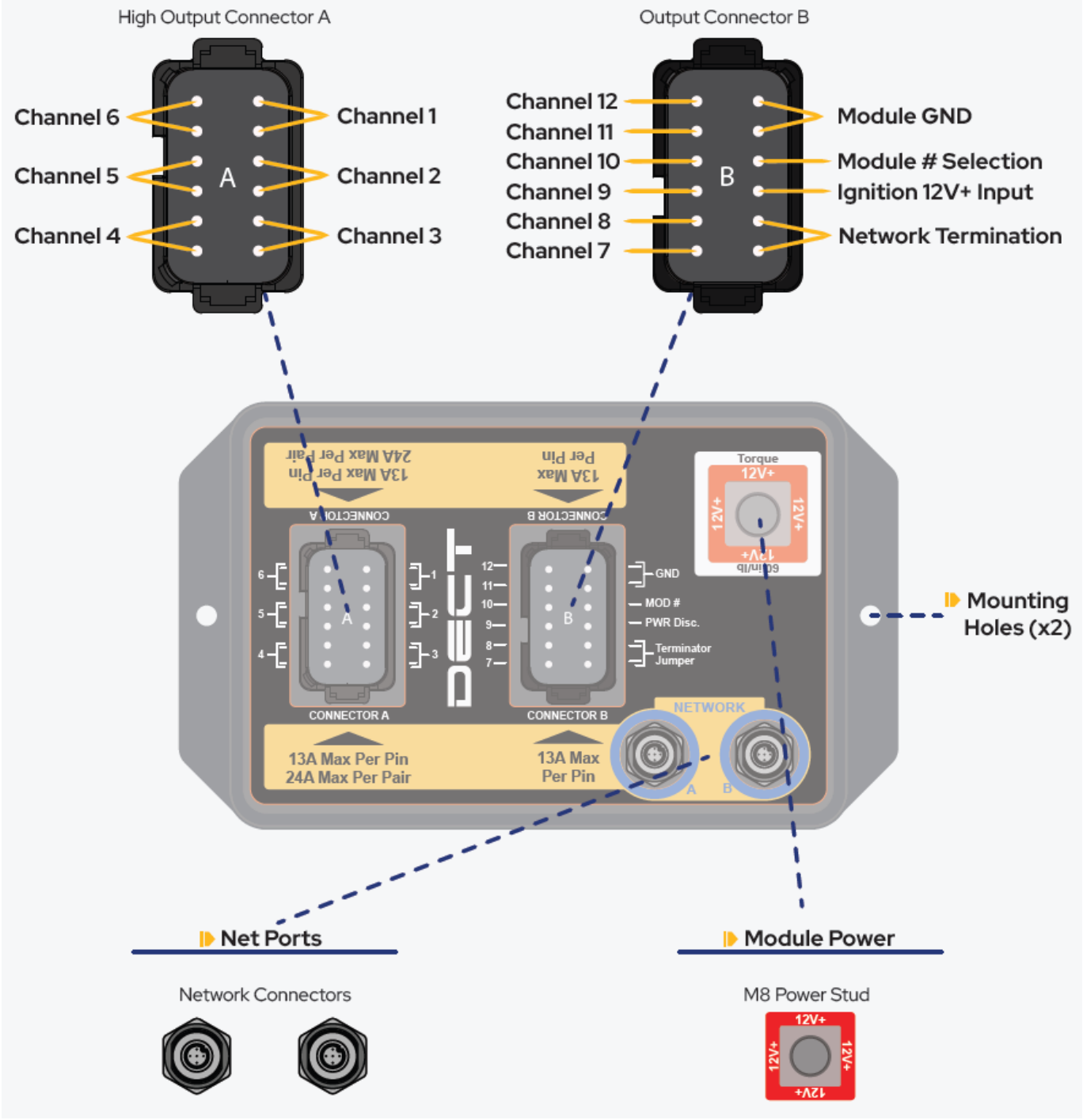
DECT PDM12 Power Distribution Module



The DECT Control System is a powerful, proven, capable, and sleek system designed for after-market projects or DIY applications

PDM Overview

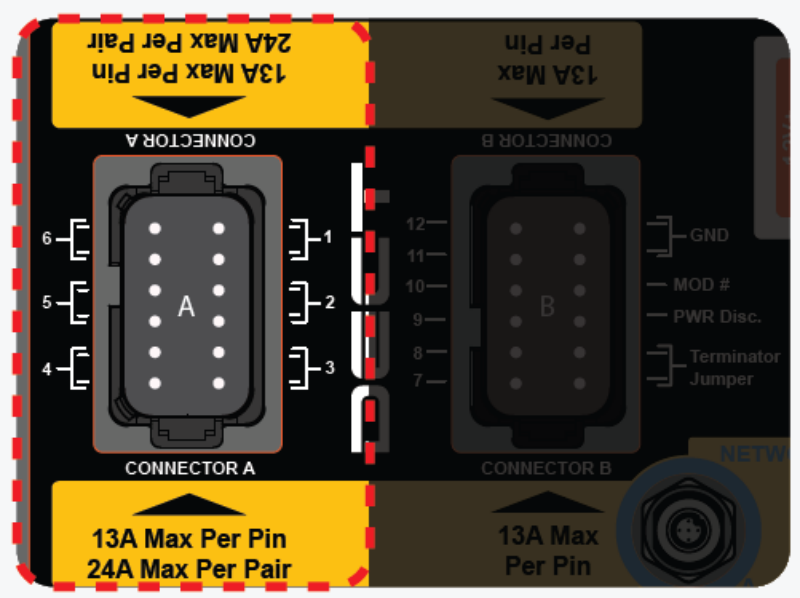
Output Connectors



PDM12 Connectors Important Information

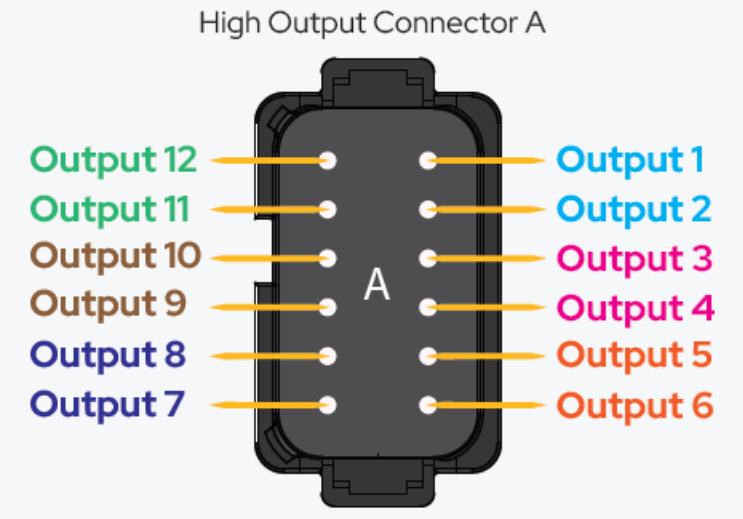
PDM12 Connector A

- When planning your circuit and connecting loads, please reference the information below. Failure to heed this information could result in a voided warranty.
- Use the appropriate wiring configuration below based on your expected AMP draw!



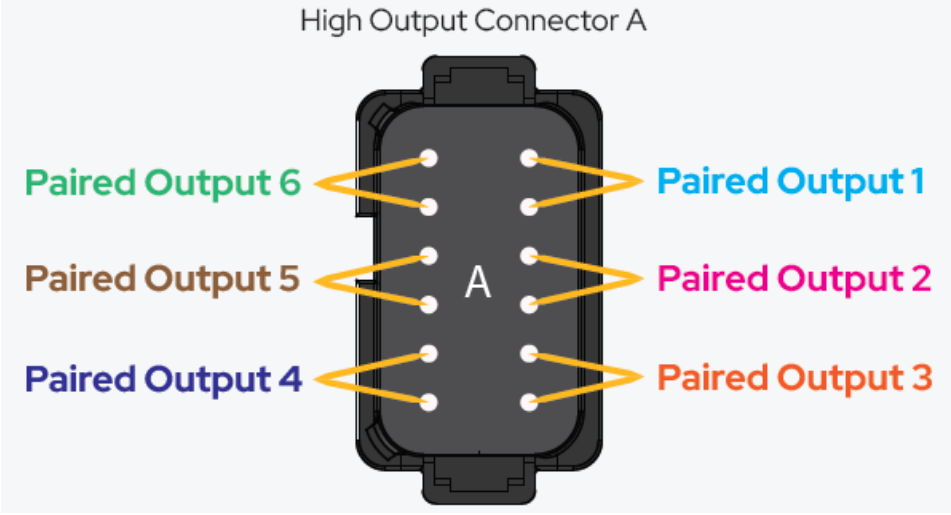
1A – 13A MAX AMP Draw Wiring Configuration

Note: Outputs of the same color are always paired together.
This was done to allow for higher amp ouputs using this connector style. If your expected amp draw is less than 14A you may connect to one of the paired output pins.



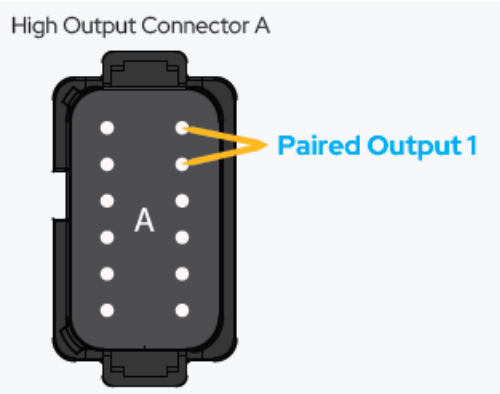
14A – 24A MAX AMP Draw Wiring Configuration

Note: To facilitate amp draws above 13A, output pins must be paired together per this illustration for proper operation. Failure to do this may result in damage to the connector resulting in a voided warranty.

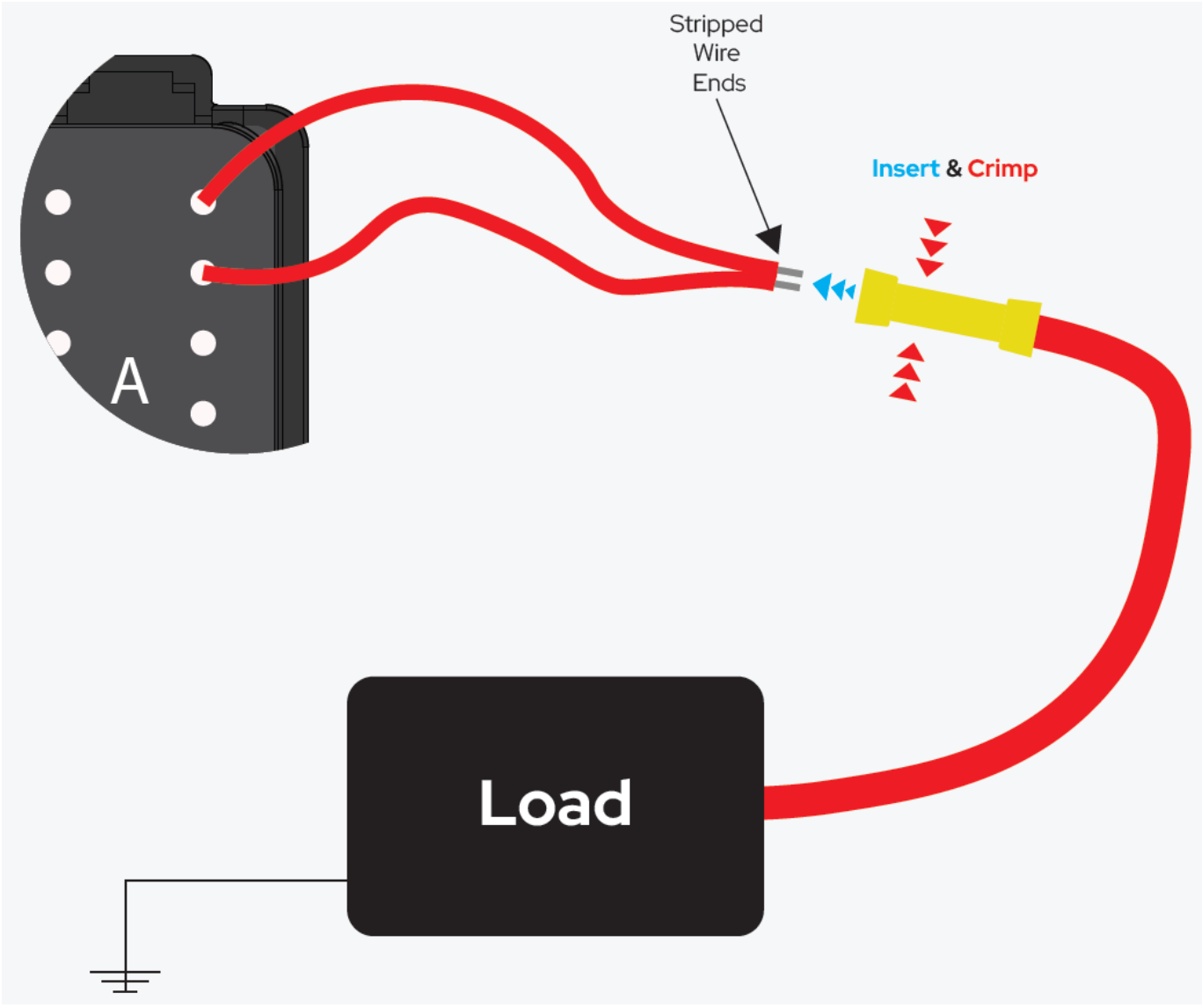


14A – 24A MAX AMP Draw Wiring Configuration (Connector A only)

When pairing output pins on Connector A, follow this guide.

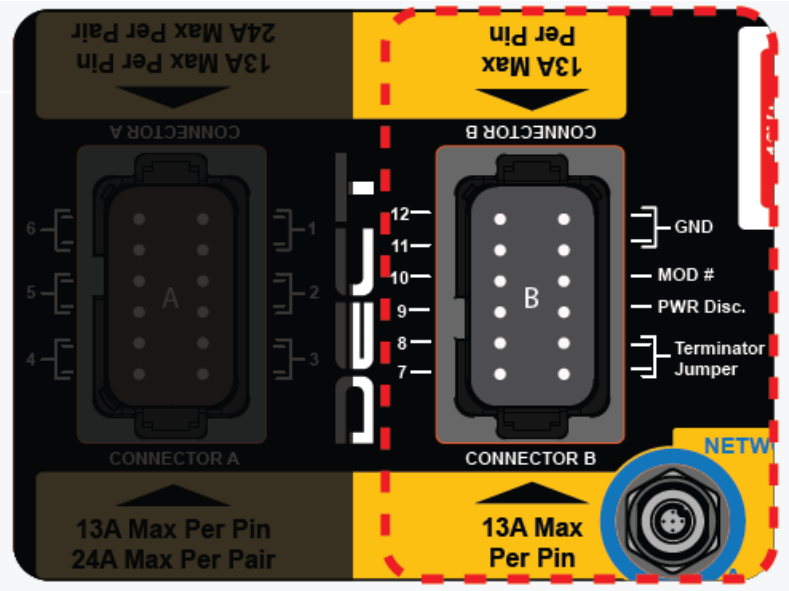


1. Using the example to the right for Paired Output 1, Connector A Pins 1 and 2 need to be wired together.
2. Ensure a wire is pinned to each pin.
3. Using a but splice or wire end connector rated to support the amp load, crimp the load end of the wires together.
4. Follow this example for connector A for any other outputs where the amp draw will exceed 13A

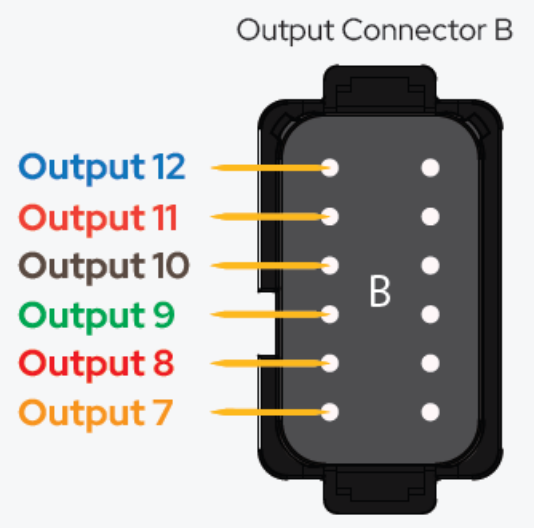


PDM12 Connector B

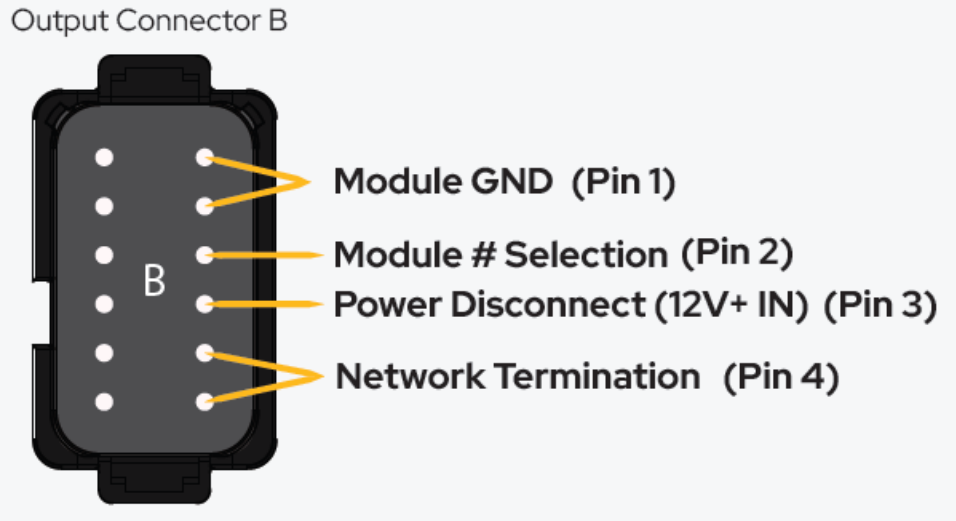
When planning your circuit and connecting loads, please reference the information below. Failure to heed this information could result in a voided warranty.



1A – 13A MAX Current Draw



Inputs



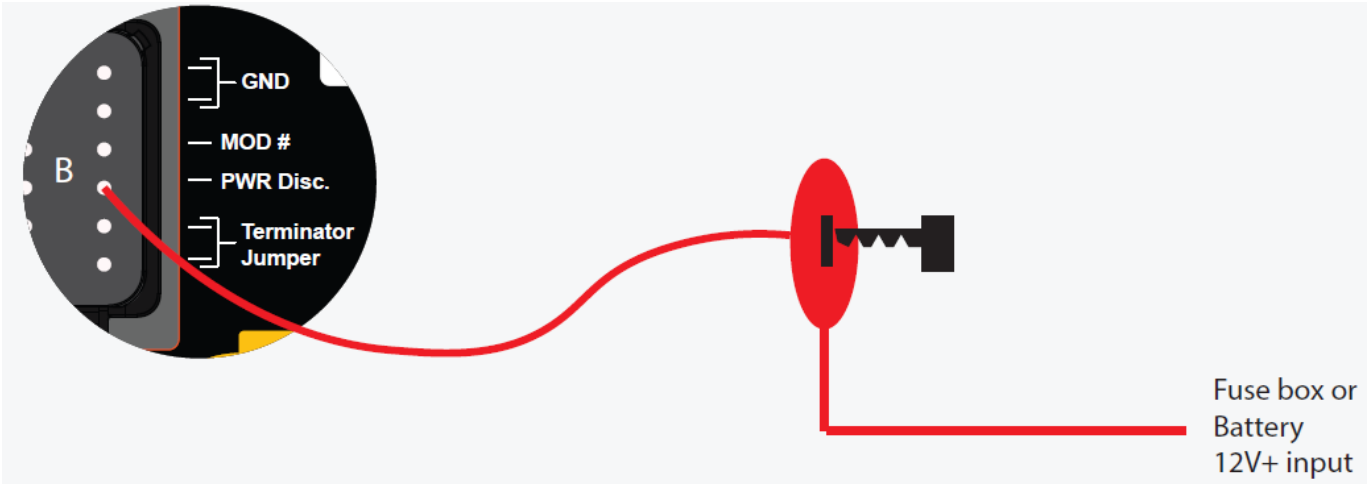
Power Disconnect

PDM12 Connector B – Power Disconnect Feature

- For those of you planning to use this inside a vehicle and need the system to power down when the ignition is turned off, follow this guide

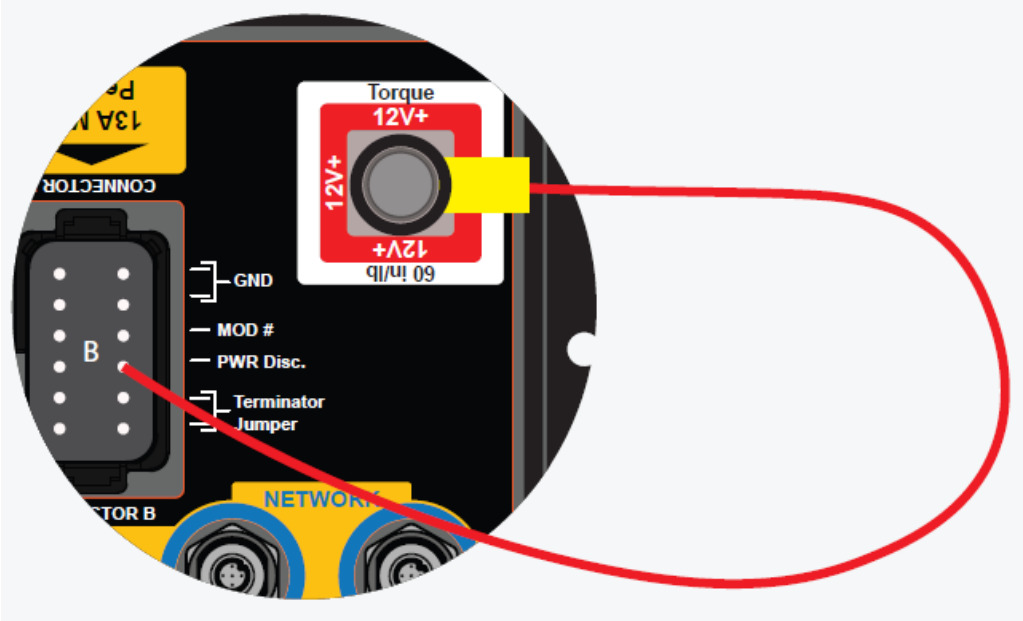
Vehicle installs w/Ignition disconnect

- When 12V+ is applied to the PWR Disc. input pin, it will power up the PDM and supply network power. Use a 12V+ ignition source to supply this pin with 12V+ to use this disconnect feature. You could use a switch or some other form of disconnect to serve this purpose.

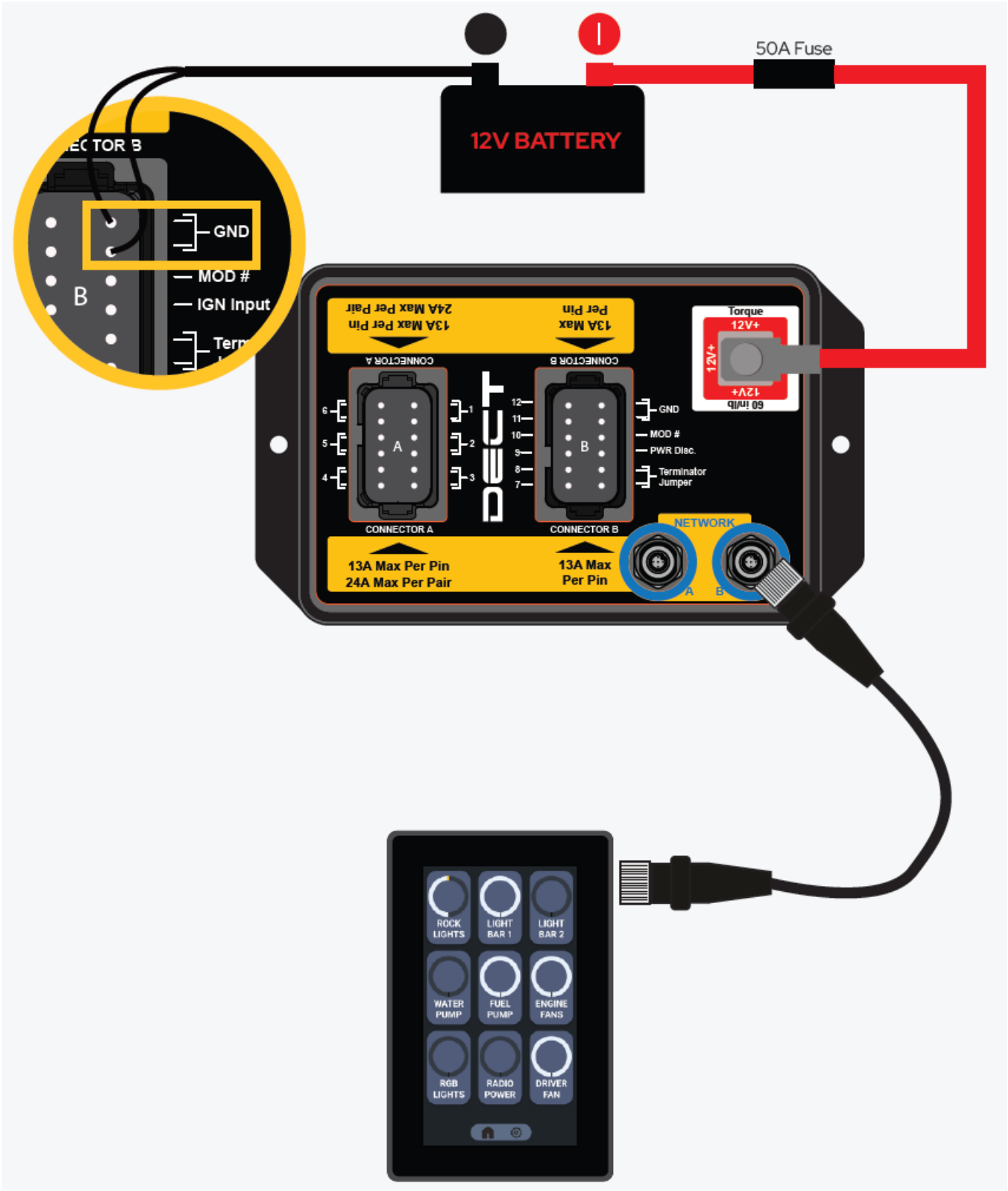


Interior or non-disconnect utilization installs

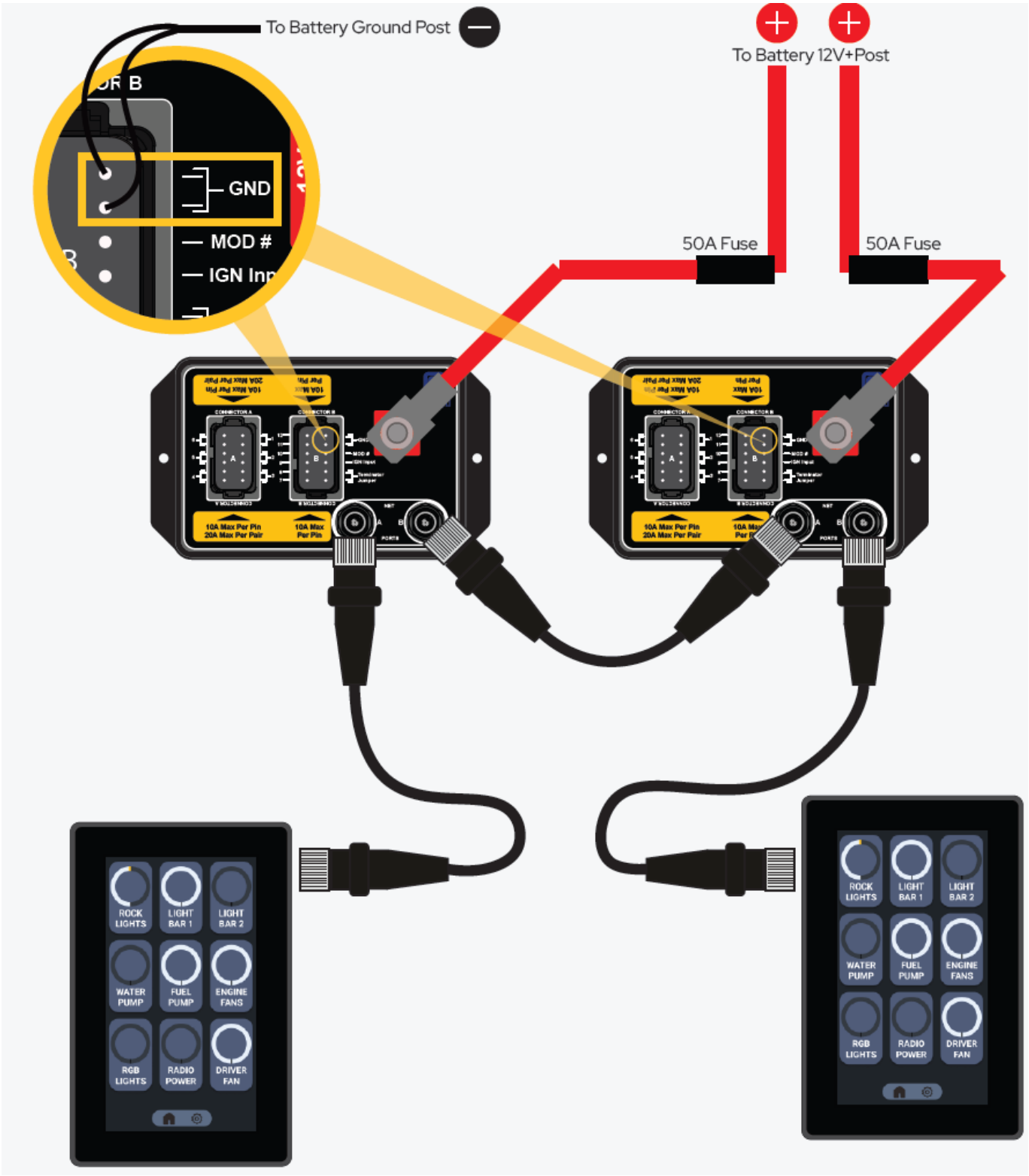
- For interior installations or installations that require the module to and network to remained powered on all the time, it may be undersired to install a disconnect switch.
- For these installations, just connect the PWR Disc. pin to the main 12V+ input stud on the PDM. Note that this input is internally fused.



Basic Wiring Illusation



- Multiple PDM’s and Touch Screens



Documents / Resources

	DECT PDM12 Power Distribution Module [pdf] Instructions PDM12 Power Distribution Module, PDM12, Power Distribution Module, Distribution Module, Module

References

- **User Manual**