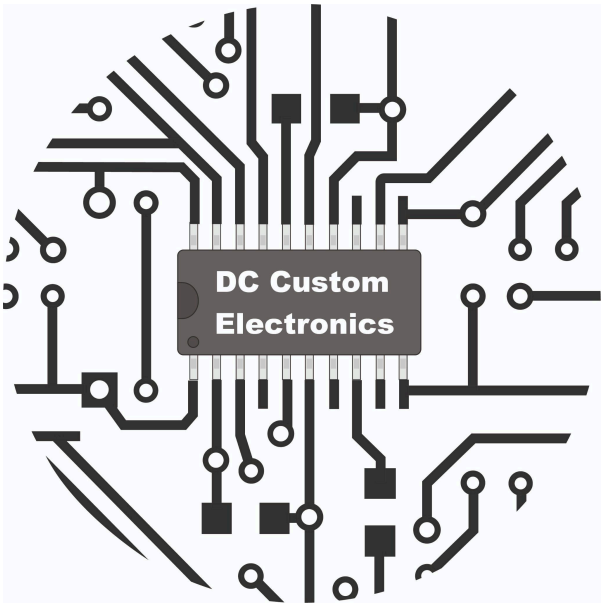
DC Custom Electronics

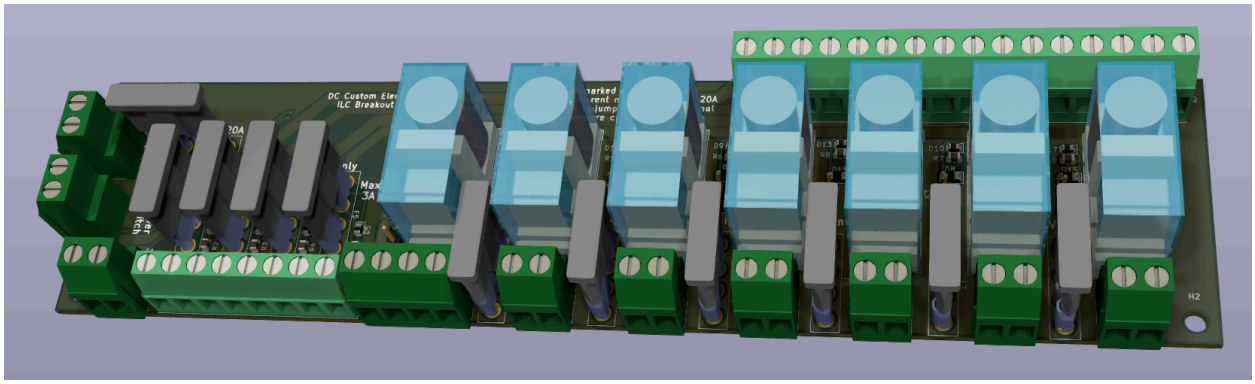
ILC Breakout Board



General Use Instructions and wiring diagrams

DcCustomElectronics.com
DcCustomElectronics@gmail.com
+1 (623) 256 2021

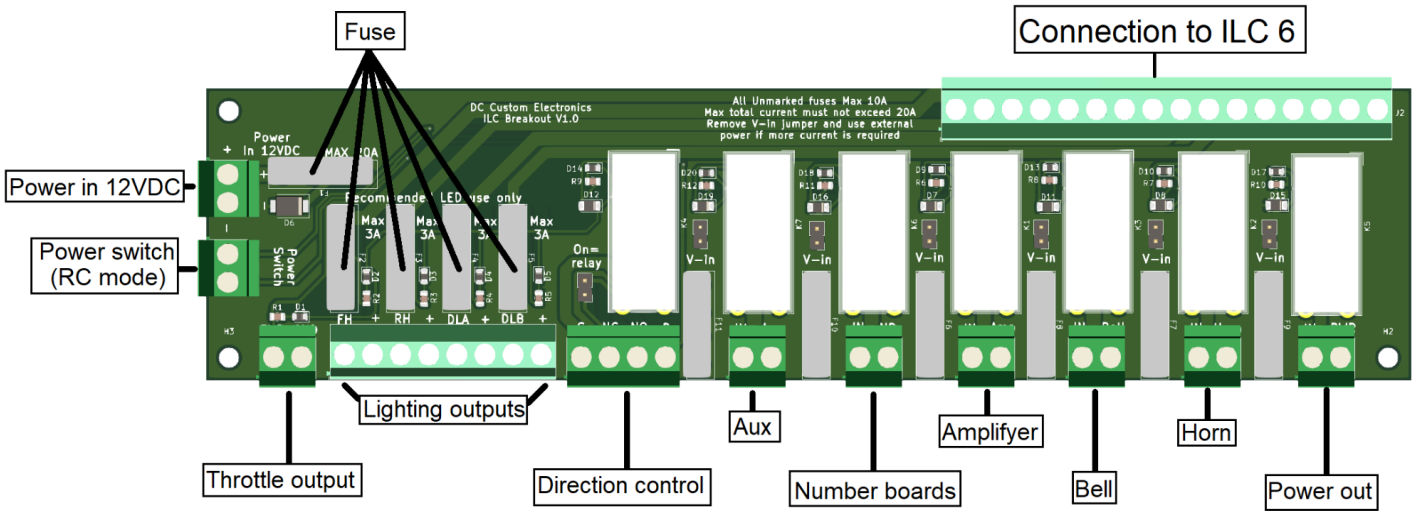
1. Overview:



1.1. The ILC Breakout board is intended to simplify wiring and protect your system from misuse and damage from faulty equipment. It provides isolated or non isolated, fused outputs, diagnostic lights, and common power rail all in one place.

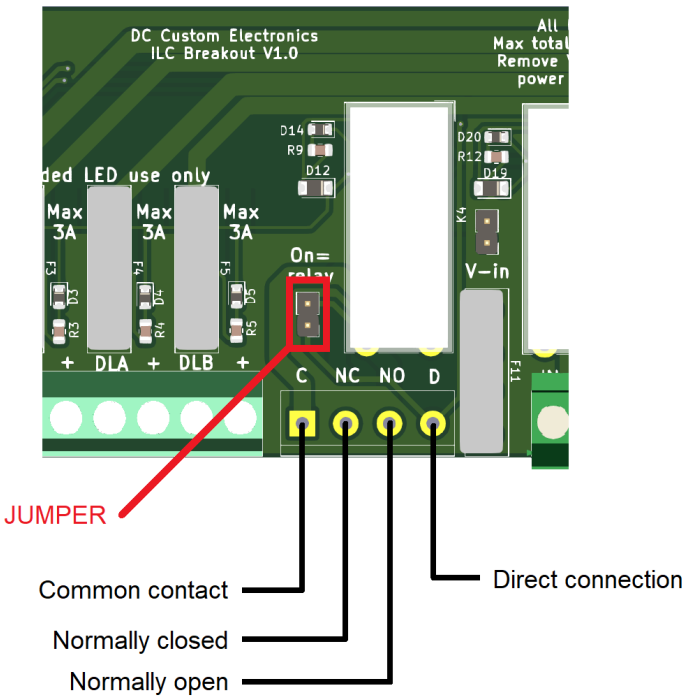
2. Pinout:

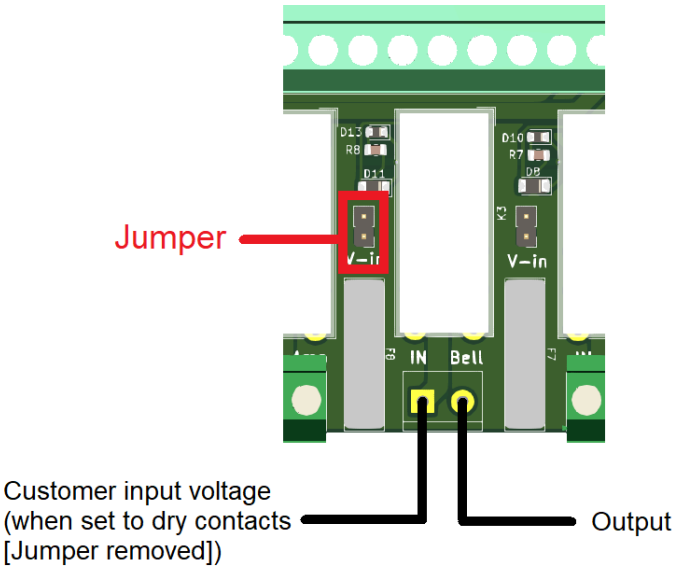
2.1.



3. Using Dry Contacts (Externally supplied power)

3.1. To use a relay as dry contacts, REMOVE the jumper located to the left of the associated relay.





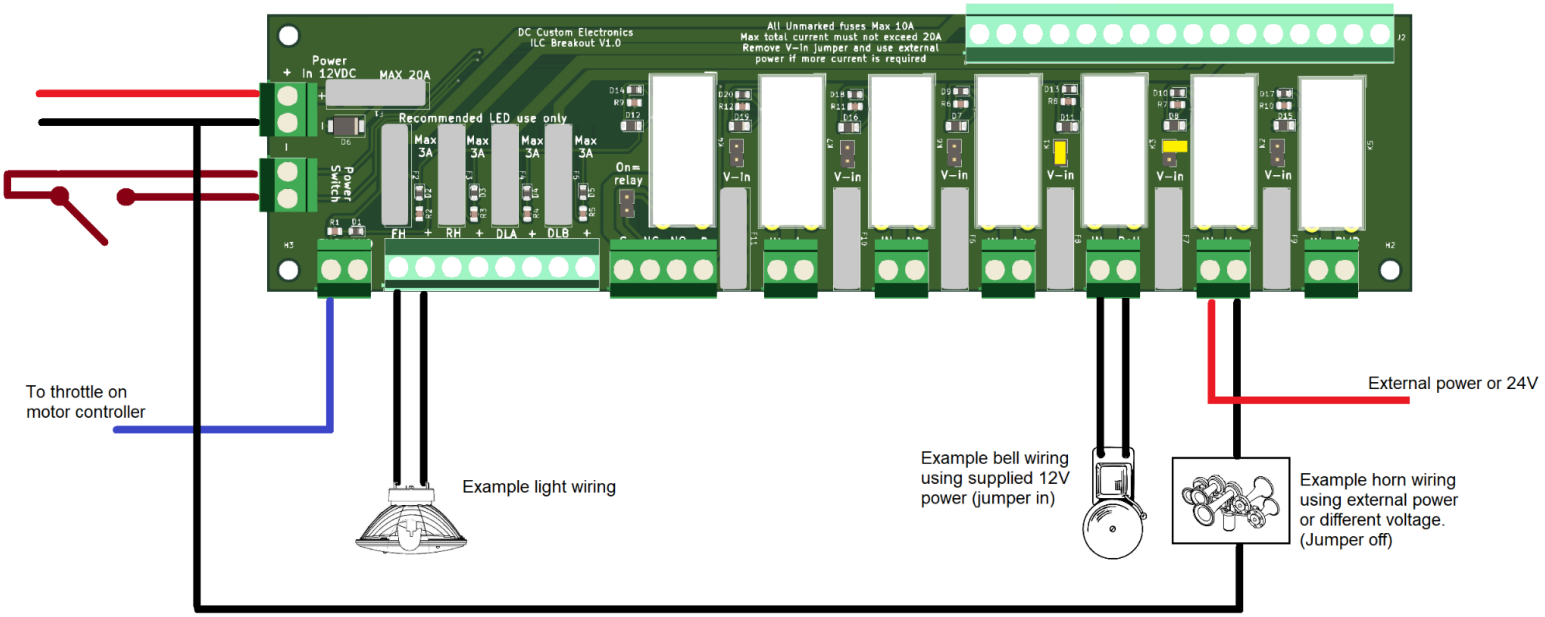
3.2. To use the direction control as a dry contact INSTALL the jumper to the left of the relay directly behind the terminals.

3.3. To use the input power (12V) to the system, INSTALL the jumper located to the left of the associated relay

3.4. To use the direction control wired direct to your 4QD controller or other compatible controller, REMOVE the jumper located to the left of the relay directly behind the terminals. This output is a low current 0v/12v output for compatible controllers and will come from terminal D in the block.

4. Specifications

4.1.	Max total current:	20A
4.2.	Max relay current:	10A (each)
4.3.	Max voltage:	12V nominal (14.8V max)
4.4.	Max current from lighting outputs:	3A
4.5.	Max voltage at lighting outputs:	16V
4.6.	Max operating temperature:	180 deg F
4.7.	Minimum operating temperature:	-40 deg F

5. Wiring recommendations:

5.1. Example wiring: