VT No. 33-2215 (IHL-01) and 33-2216 (IHL-02)

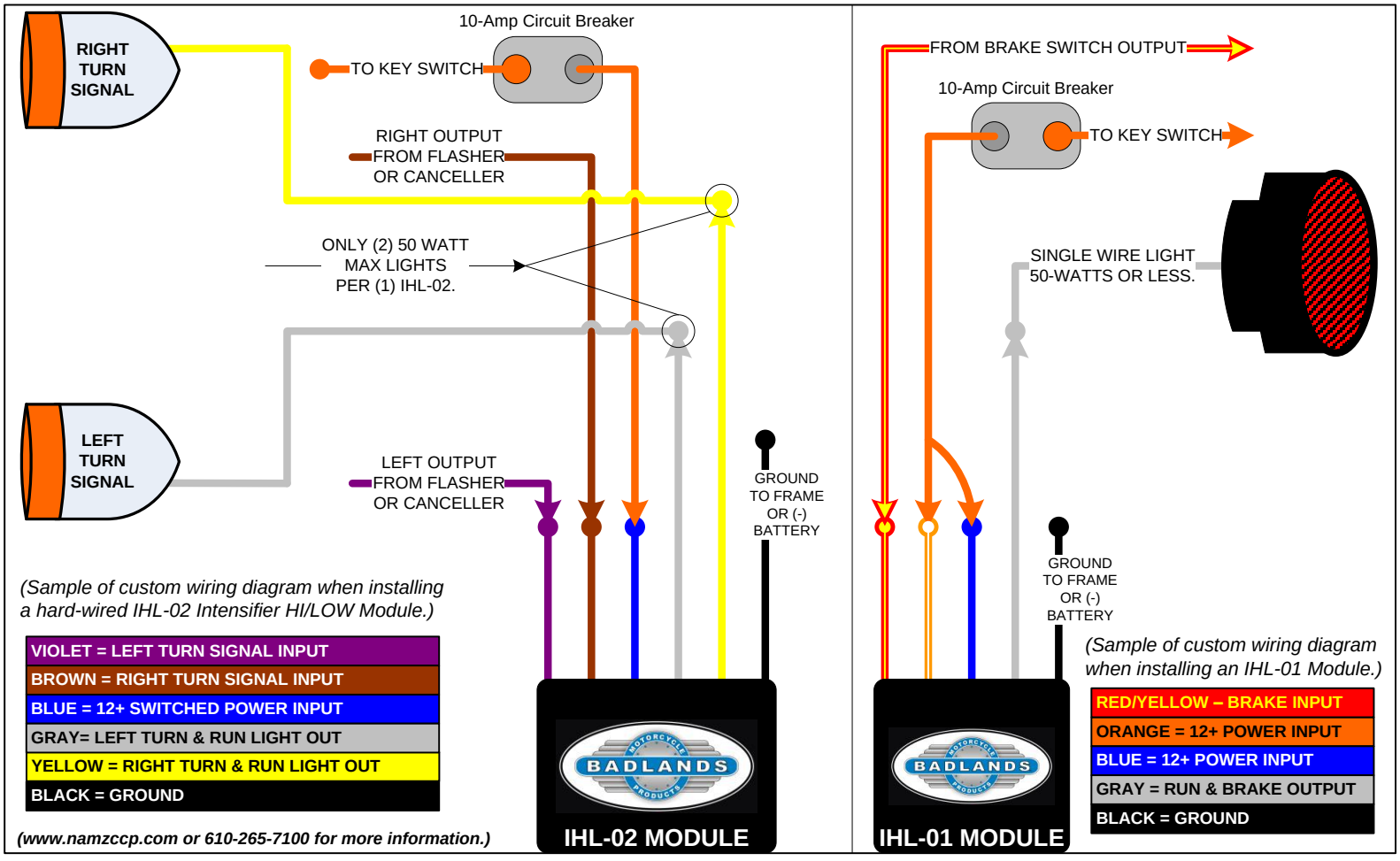
BADLANDS Intesifier IHL-01, IHL-02

Thank you for purchasing a Badlands Intensifier High/Low Module! We're sure that you will be completely satisfied with the performance and ease of installation of your new module. Before you get started, PLEASE read these instructions and helpful tips so that you understand how to install your module correctly. An improper installation will void the warranty.

FEATURES: All Badlands Intensifier High/Low Modules are designed to provide an inexpensive method to convert a (1) wire incandescent, Halogen or LED light into a dual function or HI/LOW light. Example, if you are installing an old school tail light that has only (1) wire for illumination and (1) wire for ground you would need our IHL-01 Module. This module will allow you to have running and brake light illumination on that (1) single wire! If you purchased a new pair of turn signals and they only have (1) wire for illumination and (1) wire for ground, you would need our IHL-02 Module. You would install this module to the front or rear turn signal output wires and a protected switched 12+ power source. Then the output of our module would feature turn signal and running light functions on (1) wire per side. If room is an issue, *(custom bike application)* our IHL-03 Intensifier will perform the same functions of our IHL-02 but are only rated for 500-milliamps maximum. Now you understand the features of our Intensifier High/Low Modules, let's talk about how they work.

WIRING OF NON PLUG-N-PLAY MODULES ONLY: The wiring colors on our IHL-01 and IHL-02 Modules are defined in the color chart below. The BLUE and ORANGE/WHITE wires on the IHL-01 needs 12-volt switched *(when the key is on)* power from a protected source like a circuit breaker or fuse. The BLACK wire should be attached to the frame or ground directly to the (-) side of the battery. The BLUE wire on the IHL-02 needs 12-volt switched *(when the key is on)* power from a protected source like a circuit breaker or fuse. The BLACK wire should be attached to the frame or ground directly to the (-) side of the battery. *(see back for fitment)*

INSTALLATION: On these hard-wired modules, you can use any installation method you choose but **DISCONNECT** the battery **FIRST**! We package these modules with butt connectors and quick splices but we recommend using connectors and terminals whenever possible. Now let's talk about the input and output wires. When we say "INPUT" we are referring to the wires attached to our module. For example, the RED/YELLOW wire on our IHL-01 would be BRAKE output from the brake switch *(the wire that would run to your brake light)*. On our IHL-02, the VIOLET and BROWN wires are considered left and right turn signal INPUTS. These wires should be connected to the OUTPUT of your left and right turn signal switch buttons as described in the drawing below. Once the power, ground and input wires have been connected, (see wiring diagram below) it's time to connect the lighting to the OUTPUT wires on our module. The output of our IHL-01 is a single GRAY wire that when connected as shown below will provide RUNNING LIGHT and BRAKE LIGHT functions to any incandescent, Halogen or LED light 50-watts or less. Our IHL-02 module works similarly in providing RUNNING LIGHT and TURN SIGNAL functions for (LEFT = VIOLET) and (RIGHT = BROWN) on any pair of incandescent, Halogen or LED light 50-watts or less per side. The IHL-02 also works well on single wire spot lights that are under 50-watts a side. Connect the VIOLET and BROWN wire to the HIGH side of a HI/LOW switch and the GRAY and YELLOW wires to left and right spot light bulbs. Be sure to test functions when complete.



The wire colors in the drawing are used for reference only based on the colors we use on our module. When installing either the IHL-01 or IHL-02 3 HI/LOW Intensifier Modules on a factory model, be sure to consult your bikes service manual for exact wiring diagrams and color descriptions to achieve proper installation.

FITMENT: Here is the list of Badlands Intensifier High/Low Modules and the fitment description for each part number.

33-2215

IHL-01: Hard-wired module, universal fitment, comes complete with (1) 1/4” ring terminal for the BLACK wire to ground to the frame or directly to the battery post, (3) quick splices for the BLUE, ORANGE (12+) and RED/YELLOW (BRAKE) wires on the module and (3) butt connectors for right and left turn signal inputs and outputs and (RED/YELLOW) input wire if you choose. Perfect for (1) single filament / one-wire incandescent, Halogen or LED tail lights providing RUN and BRAKE functions.

33-2216

IHL-02: Hard-wired module, universal fitment, comes complete with (1) 1/4” ring terminal for the BLACK wire to ground to the frame or directly to the battery post, (3) quick splices for the BLUE, VIOLET and BROWN wires on the module and (4) butt connectors for right (YELLOW) and left (GRAY) turn signal outputs and both (VIOLET and BROWN) input wires if you choose. Perfect for a pair, (2) single filament / one-wire incandescent, Halogen or LED turn signals or spot lamps providing RUN and TURN signal or HIGH and LOW beam functions.