

BADLANDS Sequential RUN-BRAKE-TURN Module with built in LOAD EQUALIZER

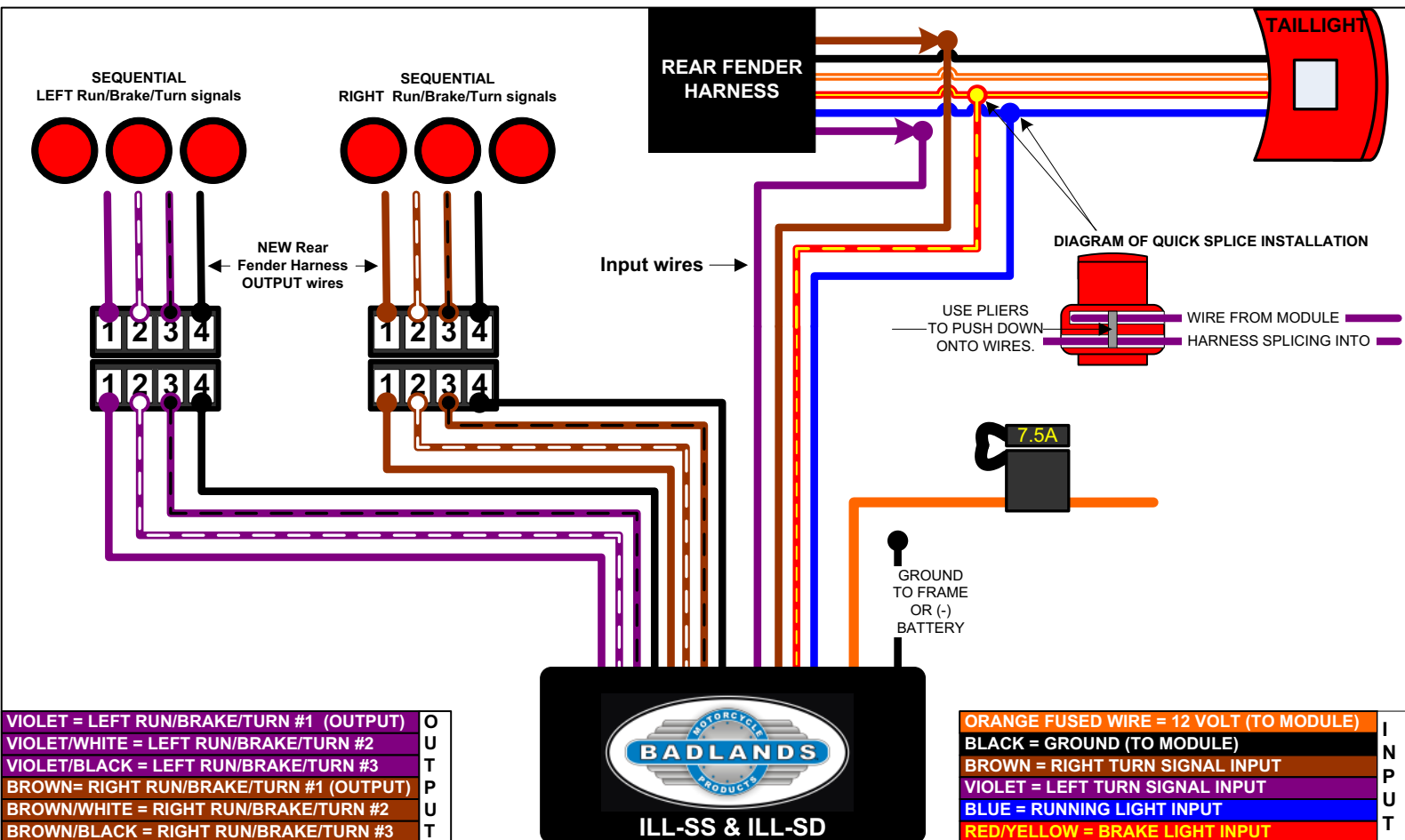
Thank you for purchasing a Badlands Sequential Module! We're sure that you will be completely satisfied with the performance and ease of installation of your new module. Before you get started, PLEASE read these instructions and helpful tips so that you understand how to install your module correctly.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

FEATURES: All Badlands Sequential Modules are designed to provide you sequential flashing turn signals with running light and brake light functions for any (3) individual LED left & right side rear turn signals, all on (1) power wire & (1) ground wire per light. **(NOTE, on ALL modules, the included rear fender harness comes pre-wired and is color coded for easy installation.)** These modules also have a built-in Load Equalizer which is designed to prevent rapid flashing turn signals and/or indicator lights. We offer (2) styles of Sequential Modules, **Static** and **Dynamic**, and the difference between the two is simple. When a turn signal is activated, Static Sequential Modules illuminate (1) of the (3) LED's at a time while keeping them lit before starting the sequence over again. **(EXAMPLE, press turn signal button, first LED is lit/stays on, second is lit/stays on and third is lit/stays on, then all off and repeats until the flashing stops.)** The Dynamic Sequential Module operates similarly but each LED will flash on then off before the next one illuminates. **(EXAMPLE, press turn signal button, first LED is lit/ goes off, second is lit/goes off and third is lit/goes off, then repeats until the flashing stops.)** Now that you understand the features of our Sequential Module, let's talk about how it works.

PLUG-N-PLAY INSTALLATION: Most of our modules offer Plug-n-Play technology, making installation quick and easy. Simply remove your seat, or left side cover on FL Models, plug our module in between the **rear fender harness connection**, route your new rear Sequential fender harness and you're done. (see back for fitment)

WIRING OF NON PLUG-N-PLAY MODULES ONLY: The wiring colors on our Sequential Modules are defined in the color chart below. The ORANGE Fuse wire on our module needs 12-volt switched or battery power. **(NOTE, we recommend ALL hard-wired modules connect the ORANGE Fuse (+) wire directly to the battery with a 7.5 fuse or to a circuit breaker. The BLACK (-) wire should be grounded to the frame or to the ground (-) post on the battery.)**

HARD-WIRED INSTALLATION: On the hard-wired version, you can use any installation method you choose but **DISCONNECT** the battery **FIRST!** We package this version with butt connectors and quick splices but 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 which are needed to "feed" the module. These wires are attached to your rear fender wiring harness which is from the front of the bike or **harness side**. The input/feed wires should match our module wiring, violet=left turn, brown=right turn, black=ground, blue=running light and red/yellow or red/blue=brake. (The orange/white wire shouldn't be used as our module should connect directly to the battery with the fused orange wire.) To make the installation easier for you, we recommend using the mating connector, same one installed on the rear fender harness (wiring attached to the lights or **light side**) to attach our module. The output wiring is simple, color-coded and comes attached to the module with (2) four-position connectors and (4) pieces of black ground wire. The (1) black wire is for grounding all (6) LED's using the provided (4) pieces of black jumper wire. The **violet=left turn signal ONE**, **violet/white=left turn signal TWO** and **violet/black=left turn signal THREE**. The **brown=right turn signal ONE**, **brown/white=right turn signal TWO** and **brown/black= right turn signal THREE**. We recommend making a note of these colors/numbers when installing your turn signals in order to achieve the correct flashing sequence.



CUSTOM INSTALLATION: If you're using a Sequential Module with LED signal lights that have (3) wires, please read this section. Since the Sequential Modules provide sequential turn signal, running and brake light functions on one (hot) wire for EACH of the (3) LED's per side, you may want to twist the "hot" wires together on your (3) wire LED's to have the entire LED operate properly. Also note that each of the (3) inputs on our Illuminator do not have to be connected depending on your application. If you only want BRAKE & TURN output on your lights, don't connect the BLUE wire. Only want RUNNING & TURN, don't connect the RED/YELLOW wire. Any combination can be achieved by simply omitting any of the (3) wires.

The wire colors in the drawing will not be the same on all models but do match most 1996-up factory HD motorcycles. If you have a pre-1996 model be sure to consult your bike's service manual for exact wiring diagrams and color descriptions to achieve proper installation.

FITMENT: Here is the list of Badlands Sequential Modules and the fitment description for each part number.

ILL-SS: RBT **Static** Sequential Module with Load Equalizer, Designed for (3) LED's per side. (HARDWIRED and requires custom installation)

ILL-SS-A: RBT **Static** Sequential Module with Load Equalizer, Designed for (3) LED's per side. Plug-n-Play, includes new rear fender harness. (FITS: ALL '97-'13 & XL '99-'03) (EXCEPT: ROCKER, '10-UP STREET & ROAD GLIDES, '11-UP SOFTAIL, 12-UP DYNA & ALL '14-UP MODELS)

ILL-SS-SR: RBT **Static** Sequential Module with Load Equalizer, Designed for (3) LED's per side. Plug-n-Play, includes new rear fender harness. (FITS: '10-'13 STREET & ROAD GLIDE MODELS ONLY)

ILL-SS-SRCVO: RBT **Static** Sequential Module with Load Equalizer, Designed for (3) LED's per side. Plug-n-Play, includes new rear fender harness. (FITS: '09-'13 FLH CVO & SCREAMING EAGLE)

ILL-SD: RBT **Dynamic** Sequential Module with Load Equalizer, Designed for (3) LED's per side. (HARDWIRED and requires custom installation)

ILL-SD-A: RBT **Dynamic** Sequential Module with Load Equalizer, Designed for (3) LED's per side. Plug-n-Play, includes new rear fender harness. (FITS: ALL '97-'13 & XL '99-'03) (EXCEPT: ROCKER, '10-UP STREET & ROAD GLIDES, '11-UP SOFTAIL, 12-UP DYNA & ALL '14-UP MODELS)

ILL-SD-SR: RBT **Dynamic** Sequential Module with Load Equalizer, Designed for (3) LED's per side. Plug-n-Play, includes new rear fender harness. (FITS: '10-'13 STREET & ROAD GLIDE MODELS ONLY)

ILL-SD-SRCVO: RBT **Dynamic** Sequential Module with Load Equalizer, Designed for (3) LED's per side. Plug-n-Play, includes new rear fender harness. (FITS: '09-'13 FLH CVO & SCREAMING EAGLE)

ILL-SS-VIC: RBT **Static** Sequential Module with Load Equalizer, Designed for (3) LED's per side. Plug-n-Play, includes new rear fender harness. (FITS: '11-'UP CROSS-COUNTRY, CROSS-ROADS & MAGNUM)

ILL-SD-VIC: RBT **Dynamic** Sequential Module with Load Equalizer, Designed for (3) LED's per side. Plug-n-Play, includes new rear fender harness. (FITS: '11-'UP CROSS-COUNTRY, CROSS-ROADS & MAGNUM)

ILL-SS-IND: RBT **Static** Sequential Module with Load Equalizer, Designed for (3) LED's per side. Plug-n-Play, includes new rear fender harness. (FITS: ALL 2014-Up Models, EXCEPT Scout)

ILL-SD-IND: RBT **Dynamic** Sequential Module with Load Equalizer, Designed for (3) LED's per side. Plug-n-Play, includes new rear fender harness. (FITS: ALL 2014-Up Models, EXCEPT Scout)