

SMiDSY

Electronic Motorcycle Visibility Aids

AHF-1

MOTORCYCLE AUTOMATIC HAZARD FLASHER



SMiDSY AHF-1 OPERATION

IF EITHER LEFT OR RIGHT TURN SIGNALS ARE IN USE, THEN THEY WILL ALWAYS TAKE PRECEDENCE OVER THE HAZARD FLASHER SEQUENCE.

PROVIDING VEHICLE SPEED IS ABOVE APPROX 20MPH (32KPH) & DECELERATION IS ABOVE APPROX -0.6G THEN ALL VEHICLE TURN SIGNAL LIGHTS WILL FLASH FOR 5 SECONDS AT A RATE OF 115* FLASHES PER MINUTE.

** TO COMPLY WITH DOT AUTOMOTIVE STANDARDS, TURN SIGNAL FREQUENCY MUST BE BETWEEN 60 & 120 FLASHES PER MINUTE.*

General Installation

The best place to mount the unit is under the seat at the rear of the bike, adjacent to the rear lighting cluster/ rear indicators.

For the unit to operate correctly, it is essential that it is mounted with the arrow pointing towards the front of the bike. The unit must also be mounted horizontal on both axis with the label upwards. If a suitable horizontal mounting point cannot be found, use additional sticky pads and/or suitable spacers under the low end of the unit to bring it level. An alternative is to use cable ties to attach the unit to a rigid part of the bike.

Installation Wire Identification:

RED +12V
YELLOW Left Indicator
YELLOW Right Indicator
BLACK Ground

Generally motorcycle tail/brake light setups will have 3 wires. (Ground, tail light, and brake light). On most modern bikes, the Tail Light is always on with the ignition and this supply can be used to power the unit, otherwise you will need to find an alternative supply that comes on with the ignition, or, if you always ride with your lights on, you can still use the Tail Light supply.

You can identify the wires to connect to with an electrical meter, from a workshop manual, trial and error or, if you get really stuck, buy a mate with electrical knowledge a beer or two). You can also contact us by email support@smidsy.biz and we'll do our best to help.

Connections

Locate the 12v feed wire to your tail light and splice the **RED** wire to this..

Locate the GROUND wire to your tail light and splice the **BLACK** wire to this..

Locate the 12v feed wire to your LEFT Rear Indicator and splice **ONE** of the **YELLOW** wires to this.

Locate the 12v feed wire to your RIGHT Rear Indicator and splice the remaining **YELLOW** wire to this.

Testing

On power up, the hazard flashers will flash twice. This indicates as is well and the unit is waiting for some hard deceleration. Find a *QUIET* road and get your speed up to around 40mph (64kph). CHECK THERE IS NOTHING BEHIND YOU!!! Now brake HARD to a stop. Providing you brake hard enough, the Hazard Lights will flash for 5 seconds and then cancel, waiting for the next deceleration event.

NOTE: The green turn light(s) on the instrument panel will flash when the Hazard Lights are on.

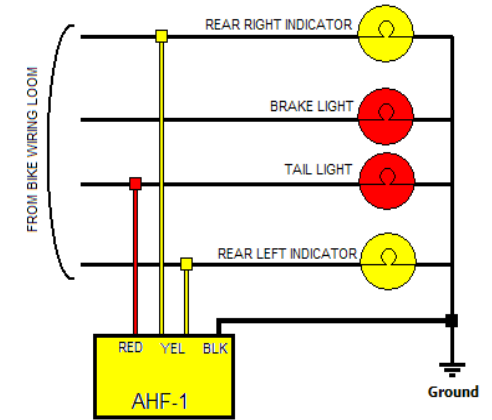
Repeat the above procedure at 30mph (48kph) and again at 20mph (32kph) The unit should not function below approx 20mph (32kph).

Adjustment

The unit is preset and tested during manufacture. However, if you feel it is too sensitive or not sensitive enough, the unit is probably not mounted truly level or your bike has a lot of front suspension travel. Follow the procedure below to adjust.

To **DECREASE SENSITIVITY** (Harder Braking to activate), raise the **ARROW** end of the module a few degrees using the extra sticky pads supplied.

To **INCREASE SENSITIVITY** (Less Hard braking to activate), raise the end where the wires exit a few degrees using the extra sticky pads supplied.



AHF-1 WIRING DIAGRAM

WARRANTY

We hope you will be pleased with your purchase. All SMiDSY products are fully tested after assembly. This product is guaranteed against malfunction or manufacturing defects for a period of 12 months from the date of purchase, provided the unit is installed in accordance with these instructions. Your statutory rights are not affected.

AHF-1 SPECIFICATIONS:

VOLTAGE:	10-15 VOLTS DC (NEG. GROUND)
MAX LOAD:	45 WATTS x 2
DUTY CYCLE	50%
UNIT SIZE:	40 x 28 x 18mm
WORKING TEMP:	-20C to +70C

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