

SMiDSY

Electronic Motorcycle Visibility Aids

SMiDSY FOGmate FM-1



FOGmate OPERATION

Without any intervention, your Brake Light functions normally. If it is foggy, or you simply would like extra visibility for the rear of your bike, start your bike's engine and if not already on*, turn on the lights. Now operate your brakes 4 times within 15 seconds. Your Brake Light will flash 3 times in acknowledgement, and the Brake Light will then illuminate at 33% power until power down.

**Since 2007, on all new bikes sold in Europe, the lights come on with the ignition, but will turn off again when the engine is cranked, this will reset the FOGmate unit, so, you should wait until the engine has been started before selecting the Fog Light mode.*

PACK CONTENTS:

QTY 1 – FM-1 FOGmate Unit
QTY 3 – Ratchet type Cable Ties
QTY 1 – PVC Cable Sleeve
QTY 4 – Heat Shrinkable Sleeves
QTY 4 – Double sided fixing pads
QTY 1 – These Installation Instructions

Installation Instructions

Wire Colours:

RED +12VDC from Tail Light Feed
YELLOW +12VDC from Brake Switches
PINK Output to Brake Light
BLACK Ground

Correctly identify the 3 wires feeding the Brake Light, Tail Light and Ground. You can do this using a test meter, test lamp or workshop manual. If you have difficulty, ask a friend with electrical knowledge, or a local garage will be able to assist. There is another way to identify the wires simply by disconnecting them one at a time. Go to www.smidsy.biz/wireID.php for details.

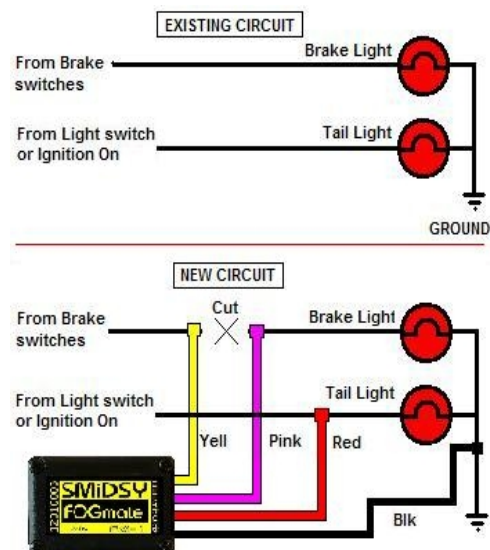
You may fit the unit anywhere adjacent to the motorcycle rear lighting cluster. The unit is fully waterproofed and very small. In many situations the unit will actually fit inside the lighting cluster giving additional weather protection to connections. It is best to spend a few extra moments deciding on the best location before cutting any wires. Cut and connect the wires identified earlier as shown in the connection diagram below.

Do not be tempted to use 'Splice In' connectors, as these are generally very unreliable. Bare the insulation on all wires and twist together firmly, (solder is even better), then slip over the heat shrink sleeving supplied and carefully shrink. If crimp connectors are used, it is advisable to tape the open ends to prevent water ingress.

The FOGmate is supplied with approx 300mm length cables. You may cut them to length as required. Slide the protective sleeving over the cables before connecting. Do not allow the

cables or unit to just 'flop around', they must be secured. Use the supplied Sticky Pads and/or Cable Ties to secure. Ensure the wires do not interfere with any moving parts of your bike. Leaving the cables at full length will make transferring the unit to a new or different bike much easier.

WIRING DIAGRAM



BRAKE LIGHT CONTRAST

If using the Fog Light option, you may be concerned about Brake Light Contrast as the Brake Light is already energised at 33%. There is no need, as when you apply your brakes, the unit powers off the 33% output for 100 milliseconds before applying full power to your Brake Light, always ensuring maximum contrast. This is actually more noticeable to a following vehicle as the brief "off" flash is very attention getting.

In the event of power failure to the device, your Brake Light will function as normal provided there is power to the yellow wire when the brakes are applied.

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.

FOGmate FM-1 SPECIFICATIONS:

VOLTAGE: 10-15 VOLTS DC (NEG. GROUND)
MAX LOAD: 65 WATTS
UNIT SIZE: 40 x 28 x 18mm
WORKING TEMP: -20C to +70C

www.smidsy.biz
www.smidsy.eu

SMiDSY

Sorry Mate I Didn't See You!

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