

ES Eliminator^{SW} | User Manual

Switchable exhaust servo motor eliminator module | ESE-SW-BM1

1. Foreword

Congratulations on your purchase of a HealTech Electronics Switchable Exhaust Servo Eliminator module (ESE-SW).

This unit will fit BMW motorcycles which have an exhaust valve and servo motor.

The Plug 'n Go connector makes installation quick and easy, eliminating the need to alter the bike's original wiring.

You have the option to control the exhaust valve operation with the switch supplied.

2. Installation

Before installing this product, please make sure you got the right part for your bike. See the part number on the packaging and use the **Product Advisor** on our website to check compatibility.

These instructions are applicable to a wide range of motorcycles and describe the main install steps needed for a successful installation. You can find motorcycle specific Supplementary Manuals on our website. Please visit:

www.healtech-electronics.com/ESE-SW

Disclaimer: Do not attempt to install the product if you don't have basic mechanical skills. HealTech Electronics Ltd. and its distributors shall not be liable for any loss or damage caused by improper installation. If in doubt, please consult with your dealer.

Follow these steps:

1. Locate the stock exhaust servo motor.
2. Unplug the connector of the servo motor.
3. Connect the ESE-SW module connectors in-line with the servo motor connector.
4. Secure the unit well with the supplied Velcro strips. Use the supplied cable ties to fasten the wiring harness to a solid part of the bike.
5. Connect the 2-pole plug of the remote switch. Route the harness towards the front end of the bike and secure the remote switch with the supplied cable ties.

3. Operation

Switch position: **I**
Mode: **VALVE CLOSED**
LED color: **BLINKING RED**

In this mode, the exhaust valve is almost fully closed thus noise level is the lowest.

Use this mode **ONLY** for short periods, with light throttle and low speed.

Performance is restricted. Extended use may be harmful for the engine.

Switch position: **0**
Mode: **FACTORY**
LED color: **GREEN**

The exhaust valve is controlled by the ECU normally.

If there's a problem with the exhaust valve or the servo motor, the dashboard will show the error as usual.

Switch position: **II**
Mode: **VALVE OPEN**
LED color: **RED**

The exhaust valve is kept in the fully open position.

If there's a problem with the exhaust valve or the servo motor, the dashboard will **NOT** show the error (if a servo error was registered previously, the FI light may stay ON for the next 3-5 rides).

Attention:

- You can toggle the switch to change operation mode even while riding.
- Always select the **FACTORY** mode when riding on public roads. Otherwise, your bike's noise emission level may be increased which might violate local emission norms/regulations.

4. Warranty

The unit is completely sealed and epoxy encapsulated, which gives extreme protection for the internal parts from shocks, vibrations and water. To ensure trouble-free operation from the start, all units have been extensively tested prior to shipment. Our dealers are offering a 30-day money-back

guarantee on HealTech products, thus you will get your money back if the product does not fulfill your expectations (all parts must be returned in original condition for full refund).

Furthermore the product is covered by our 2-year replacement warranty from the date of purchase.

5. Specifications

- Supply voltage: +5V to +16V
- Max. supply current at 12V: 130 mA
- Operating temp: -40°C to +80°C (-40°F to +176°F)
- Waterproof: IP68
- Size: 50 x 30 x 17mm (1.9 x 1.2 x 0.6 inches)
- Weight: 45g (1.58 oz)



Smart Tech for your **Ride!**