

## MP3875B - TEB2MA

### 12V Audible Sensor with Double By-Pass and Tell Tale Output

Provides by-pass relay function for vehicle indicator circuits and at the same time gives a trailer bulb failure warning via an internal buzzer. The **TT** terminal provides a bulb failure warning signal for use with an external buzzer or panel lamp.

#### **WARNING**

Modern vehicles may be fitted with sophisticated electronics to monitor or to switch their road lights. Direct connection of towing electrics to CANBUS or Multiplexed or electronically switched lighting circuits could have an adverse effect and should be avoided. For these vehicles it is therefore strongly recommended that a multi-function by-pass relay MP3877 is used when making the connections.

If in doubt consult an auto electrician or tow bar fitter.

#### **FITTING INSTRUCTIONS**

1. Check vehicle rear lights are working correctly. Switch off all lights and ignition switch, isolate circuits by removing fuses. Caution when removing fuses engine management, alarm or audio equipment may be affected.
2. Locate the wiring to the rear lights of the vehicle (usually on one side) and select a suitable point at which to mount the Audible sensor relay and make the necessary relay connections.
3. Identify the function of individual vehicle rear lamp wires by tracing back to the bulb holder or by using a circuit tester.
4. Connect the relay, as below.

#### **RELAY SIGNAL LEAD CONNECTIONS**

Yellow of relay	-	L/H indicator lamp in vehicle wiring
Green of relay	-	R/H indicator lamp in vehicle wiring
White of relay	-	To suitable earth wire or vehicle bodywork

#### **RELAY TERMINAL BLOCK CONNECTIONS**

<b>12v</b>	-	12v power supply fused at 10 amps
<b>4</b>	-	Green of towing socket cable (Pin 4)
<b>1</b>	-	Yellow of towing socket cable (Pin 1)
<b>TT</b>	-	Output for panel lamp or external buzzer

Do not cut the wires to vehicle indicator lamps.

5. Check all wiring and if correct replace any fuses removed, connect trailer plug and check vehicle and trailer lights function correctly.
6. Attach the audible sensor relay to the vehicle wiring, making sure not to cover the sound output hole. Trailer turn indicator lamps should flash in unison with vehicle indicator lamps and Audible sensor should buzz. Failure to buzz shows trailer indicator lights have failed. Check connections and bulbs.

#### Notes

Earth connections can be made to the vehicle chassis or bodywork. A good connection is important, this should be bare metal, free from paint or rust.

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