

Mounting instruction indicator lamp unit 6-12VDC (48mm)

Dear customer,
With the purchase of your indicator lamp unit 48mm with 7 control lights from MMB you have acquired a quality instrument made in Germany.
The indicator lamp unit is designed for vehicles with an on-board voltage of 6-12V.

Check the received goods for completeness and possible transport damages. If there are any defects or damages, please contact our sales department immediately.

Included in Delivery:

- indicator lamp unit
- mounting instruction
- 2x spring washer, 2x washer 5,3mm, 2x nut M5

1. PREPARATION

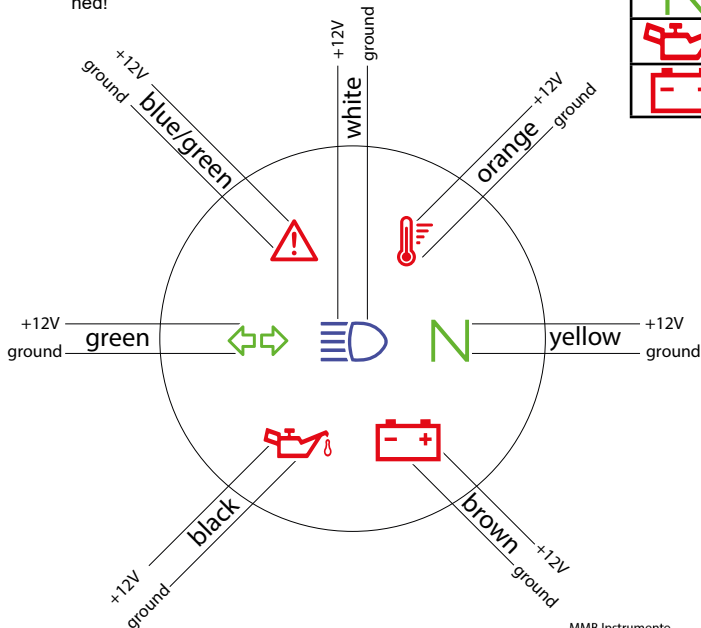
1.1 Safety instructions

To install the electric cables, use existing cable ducts and looms, but do not run the cables parallel to ignition cables or parallel to cables leading to powerful consumers. Secure the cables with cable binders or adhesive tape. When you install the electric cables please also note:

- Do not run the cables over moving parts
- Ensure that the cables are not exposed to any tensile, compressive or shear forces
- Use only cable stripper to strip the cables, adjust the cable stripper so that the individual strands are not damaged or cut off
- Crimped connections should be made only by using a cable crimping pliers
- Insulate exposed leads in such a way that short circuits cannot occur



Please carry out all work with the battery disconnected (minus pole) and observe the safety instructions mentioned!



Risk of short circuits through faulty junctions or damaged cables. Please check all cables and connections for short circuits after you have finished the installation. Short circuits in the electrical system can cause cable fires, battery explosions and damages to other electronic systems. Incorrect connections can lead to short circuits.

2. MOUNTING

Use the included washers and nuts to secure the indicator lamp unit.



Tightening torque of the nuts M5 = 1Nm

2.1 Electrical connection

Each indicator light are assigned to two cables with the same colour.

Due to the integrated reverse polarity protection, the LEDs of the indicator lights cannot be connected incorrectly.

Insulate cable ends that are not connected!

symbol	function	cablE co-lour
	warning light (freely allocatable)	2x blue/green
	temperature (water, oil)	2x orange
	turn signal	2x green
	high beam	2x white
	neutral	2x yellow
	oil (temperature, pressure)	2x black
	voltage	2x brown