



- ▶ **Programmable gear indicator**
- ▶ **Easy-to-read display**
- ▶ **Robust design**
- ▶ **IP67 cover upon request**

The OMZ160 is a robust programmable gear indicator that is ideal for use in motorsports applications with analog sensors like the Variohm SP2800 gearbox potentiometer or the contactless EURO-MT and Euro-XP/XPK/XPD series angle sensors.

The OMZ160 is programmable for up to 9 gears with additionally reverse and neutral selection. Programming

is straightforward with using two push buttons on the rear of the display. Programming is stored even when no power is supplied.

For best display results the indicator will adjust brightness automatically based on three sensitivity settings or if required can be set manually to full brightness.

Specifications			
Performance		Environment	
Projected shifting gears	0, 1, 2, 3, 4, 5, 6, 7, 8, 9 + Reverse and Neutral	Working temperature	-30° C...85° C
Brightness	Maximum / Automatically controlled 3 levels	Storing temperature	-40° C...90° C
Setting	By push buttons (settings stored even when no power)	Mechanics	
Electronics		Dimensions	48 x 63 x 31 mm
Power supply	10 to 30 VDC (VAC)	Housing	ABS with Carbon effect
Reverse light output	PNP open collector, max. 6W	Segment height	30 mm
Power consumption	Projection mode: 'R': max 1.0W/14.4V, 2.0W/28.8V, other: max 1.2W Less than 0.12W/14.4V, 0.2W/28.8V	Connection	Connector
Sensor excitation	5V	Weight	67 g

Accessories



EURO-MT & XP, non contact angle sensors

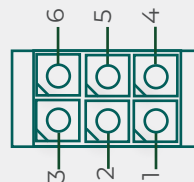


SP2800 high performance rotary potentiometer



EURO-XP and XPK D-shaft and puck type non contact angle sensors

Wiring



PIN	Function
1	+ Power supply
2	- Power supply
3	+ Potentiometer power supply
4	+ Reverse light
5	- Potentiometer power supply
6	Potentiometer wiper

ATTENTION : PIN 5 must not be connected to PIN 2!



Rear view