

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

Accessories



EURO-MT & XP, non contact angle sensors

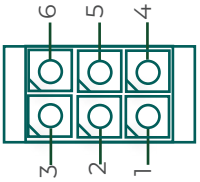


SP2800 high performance rotary potentiometer



EURO-XPD 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