

LED railway indicator signal

IND-00 (IND-01 and IND-02)

- Developed specifically to provide alphanumeric characters and symbolic drawings, as addition to main railway signal
- IND-01 for route indications and speed limit, IND-02 – for allowance of train pass
- No changes are needed in the interlocking system.
- Supplied in own housing or as an LED module.
- Includes electrical transformers for interface between LED indicator signal and interlocking
- Safe decision at fault
- Modular and flexible design capable of supporting a wide range of operating conditions
- IND-01 and IND-02 version compatible with electronic interlocking SML 400
- IND-01 and IND-02 version can be adopted according to customer requirements, for different interlocking systems.
- Long service life
- For different applications: railway, metro, tram



Due to the complex operating requirements of a railway relay interlocking, IND-00 implements a modular and flexible design capable of supporting wide range of operating conditions, applicable on different types of relay interlocking systems, too. LED indicators IND1 and IND2 reduces cost of adapting railway indicators to different kind of interlockings.

Technical characteristics

Input voltage range:	20 VAC – 35 VAC
Operating current range:	200 mA per chain
7x5 standard characters	
4 chains of LEDs	for indicating 2 different symbols, it can be adopted according to customer requirements for more or less symbols
Consumption per symbol:	10 W
Operating temperature:	-40°C – +80°C
Humidity:	0 – 100 %
Protection level:	IP 55, it can be upgraded to IP68 according to customer requirements
Steel alloy housing	
Integrated over-current, over-voltage, transient and thermal protection	

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