



OPTICAL INDICATOR NDK1

- High reliability
- Optical fibers provide higher brightness and uniform light intensity
- Excellent visibility range – outstanding signal aspect readability
- Prevents false light reflection (Phantom effect)
- Large active indicator area
- Failsafe readability of signal aspects
- Power supply transformers installed in indicator box
- Optimum day/night light intensity
- Made exclusively of non-corrosive material
- Option to display up to 4 any signal aspects

General Description

Indicators with optical fibers supplement the main, shunting or humping signals, but in some cases they can be installed also separately. They are designed to indicate signal aspect or its part and can indicate 1 up to 4 signal aspects in different colours.



NDK 1 gripping

Optical indicator can be designed on masts and cantilever signals in configurations with AŽD signal lamps. Optical indicator can be combined with other elements of AŽD light signals.

Basic Technical Description

Optical indicator is constructed as a lockable box made of a non-corrosive metal sheet and aluminium alloys.

Lenses indicating the displayed signal aspect are located in front panel covered with teflon.

The light source is a low voltage halogen signal bulb with a cold mirror.

The light flow is directed through the colour filter to the head of the optics.

Signal transformer and the electronic unit are installed inside the indicator.



The electronic unit is designed to reduce the light intensity during the night operation.

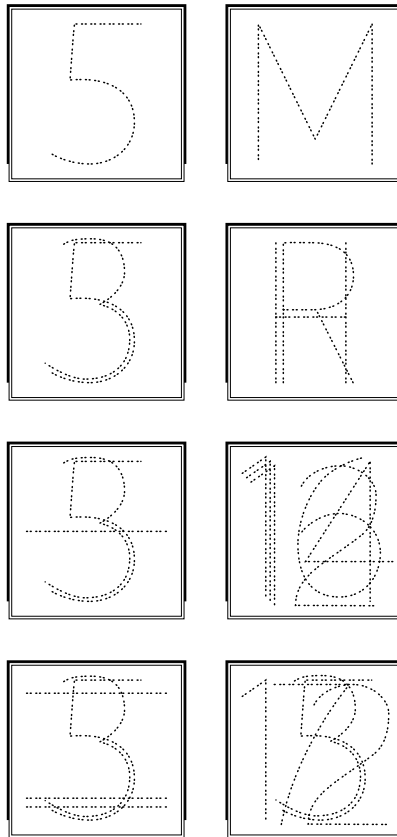
The indicator has been manufactured in 14 basic variants by default and signal aspects can be displayed in white, green, red and yellow colours.

Indicator NDK1 gripping is carried out by screws and nuts with gasket inserted between indicator and signal lamp according to relevant installation manual.



Basic Technical Parameters

Range of operating voltage	day	230 V + 10 %, -14 %, 50 Hz
	night	160 V + 10 %, -14 %, 50 Hz
Nominal input		50 VA
Signal light chromaticity		green, yellow, white, red
Visibility		250 m
Insulation resistance		min. 60 MΩ
Resistance against attached AC voltage		4 kV
Cover rating		IP 54
Working temperature range		-40 to +70 °C
Main dimensions including shade (w × h × d)		600 × 600 × 700 mm
Weight		27 to 37 kg



Example of symbols