



FieldSWing W-24

Indicator

- Designed for electronic contactless control
- Indicator aspect consists of six parallel LED sections
- Automatic luminous intensity control according to ambient light conditions
- Feedback to the control device about the status of the indicator
- SIL4 Safety Integrity Level
- High mechanical and climatic resistance
- Low maintenance cost



GENERAL DESCRIPTION

The indicator FieldSWing W-24 (further W-24) is an electronic device designed for signalling in railway transport.

BASIC TECHNICAL DESCRIPTION

W-24 is made of a sealable, watertight stainless steel cabinet, the front wall of which consists of a door with two locks for a pentagonal key. The door consists of stainless steel sheet with transparent part made of macrolone - cover glass.

Inside the cabinet there is a signal transformer and an electro-optical module attached to the cabinet door.

The electro-optical module consists of an optical module and an electronic module.

The optical module uses white LED to display the character. The LEDs are connected to six parallel sections, where LEDs are connected in a series.

The design of LEDs into individual sections ensures sufficient uniform luminance of the W-24 aspect even in the case of failure of any sections.

W-24 includes sensors for sensing the ambient light conditions.

The electronic module controls the illumination of the aspect with the luminous intensity depending on the ambient light conditions. It ensures constant current to the LED sections of the displayed aspect throughout the supply voltage range.

Electronic module further transmits information on fault-free status or failure

of the displayed W-24 aspect to the control system. It suppresses induced voltage and capacitive currents on the connecting cables to prevent improper illumination of the aspect.





BASIC TECHNICAL PARAMETERS

Supply voltage	AC 230V \pm 10 %, 50 Hz
Temperature range	climatic category T1 according to EN 50 125-3
Humidity	to 95 %
EMC compliance	EN 50121-4, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-6-4
Chromaticity	white
Weight	13 kg
Service life	minimum 25 years

