

# LEXIS

Intelligent Protection of Level Crossings



- Fully electronic protection system suitable for any level-crossing configuration
- Designed for operators of mainline, regional, industrial and urban railways
- The highest safety level (SIL4)
- The highest availability reduces crossing downtime and rail and highway traffic delay
- Simple design, powerful functionality
- State-of-the art preventive diagnostics
- Remote monitoring/testing/reporting capability
- Scalable, modular and compact built-up
- Easy installation
- Significantly reduces total ownership costs

První**Signální**



## GENERAL DESCRIPTION

- **LEXIS** integrates flashing light and gate control
- Configuration tools simplify application design and installation setup
- **LEXIS** eliminates all relays in a crossing installation
- Can be easily customized
- Shift of maintenance focus from "Find & Fix" to "Predict & Prevent"
- Includes event recorder and analyzer
- Immediate malfunction reporting improves maintenance efficiency

## BASIC TECHNICAL DESCRIPTION

- Covers applications from very simple to the most complex configurations
- Complies with SIL4 of the CENELEC safety standards EN 50 126, EN 50 128, EN 50 129 and EN 50 159
- Offers easy configuration and pre-delivery testing, as well as simple and quick on-site setup
- LEXIS can control flashing lights, both bulbs (single or double filament) and LEDs, various types of gates (barrier drives) and their lights
- Track circuits, axle counters and wheel detectors can be interfaced
- Capable to interface other vital logic via signal or vital communication links
- Communication links are fully redundant and use industrial standard protocols (RS485/RS232/LonWorks/Ethernet/TCP/IP)
- Uses copper or fiber-optic cabling or wireless communication
- Supports fail-safe data transmission with safe and secure protocols
- Can provide optional radio-operated strike-in and radio monitoring
- Additional solar power supply
- The diagnostics puts maximum focus on failure prevention with timely detection of malfunctions
- Offers Web-based diagnostics

### BASIC TECHNICAL PARAMETERS

Safety level	<b>SIL4</b>
Max. number of tracks	<b>10</b>
Max no of flashing lights	<b>10</b>
Max no of gates	<b>10</b>
AC power supply	<b>230 VAC, 50 Hz</b>
DC power supply	<b>10 to 33 V DC</b>
Diagnostic data storage	<b>1 year</b>

