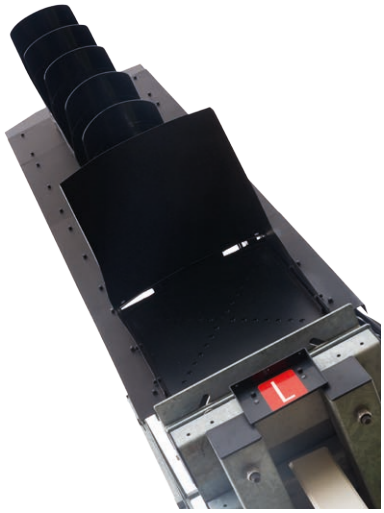
# *FieldSWing AZD-70*

*Light Signals for Railways*

- **Modular design allowing any signal configuration**
- **Universal use for railway stations, lines and sidings**
- **Low cost**
- **Easy installation**
- **Designed for line speed 160kmph and 250kmph**
- **Minimum maintenance**



## GENERAL DESCRIPTION

The light signals FieldSWing AZD-70 (further AZD-70) form a complete modular construction, which enables to meet the traffic requirements in railway stations, lines, sidings and mining tracks with a minimum assortment of parts.

AZD-70 modular construction can be used to assemble a signal for any desired use including special construction for high speed lines.


## BASIC TECHNICAL DESCRIPTION

The main parts of AZD-70 are as follows:

- Set of signal lamps FieldSWing NS-01 or FieldSWing LLA-2 and indicators – forms the required assembly supplemented with a black contrast frame and lamp shades. Assembling variability enables installation of all necessary configurations.
- Fixing kit – is used for mounting the signal lamp assembly to the mast. Design allows 90° horizontal rotation.
- Mast – the main bearing part for lamp assembly made of hot-dip galvanized steel. It is fitted by antiskid steps and can be supplemented by folding installation platform and handles

making the signal maintenance easier. Reinforced construction for aggravated conditions can be supplied.

- Signal transformers box – is used for fastening the signal to a concrete foundation. Up to eight signal transformers can be accommodated inside. With dwarf and cantilever signals the signal transformers are accommodated directly inside a signal lamps.
- Base – mast signals are installed on prefabricated concrete foundation. Dwarf signals are installed on plastic or concrete foundation.

From the modular system the following signal types can be assembled:

- mast:
  - single sided
  - double sided
- cantilever
- dwarf

## BASIC TECHNICAL PARAMETERS

| | |
|---|---|
| Relative humidity | 15 % to 100 % |
| Resistance to wind | area 1 according to PN-EN 1991-1-4:2008/A1 |
| Temperature range | –40 °C to +80 °C |
| Signal weight | Depending on signal type: 200 kg – 350 kg (without the foundation) |

*Dwarf signal*

*Special construction of FieldSWing AZD-70 upto 250 kmph*