MICROPROCESSOR SYSTEM OF POINT MACHINE CONTROL VIA RADIO CHANNEL MAUS-R

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System MAUS-R is designed for use on mainlines, cargo transport, shunting areas, locomotive depots on non-centralized areas of railway stations, and industrial transport stations.

System MAUS-R

The main task of the system is to control turnouts without to the relay interlocking with the possibility of local control, as well as remote control via radio channel.

The power supply of the system equipment and switch motors is carried out from three-phase network with line voltage of 380 / 220V.

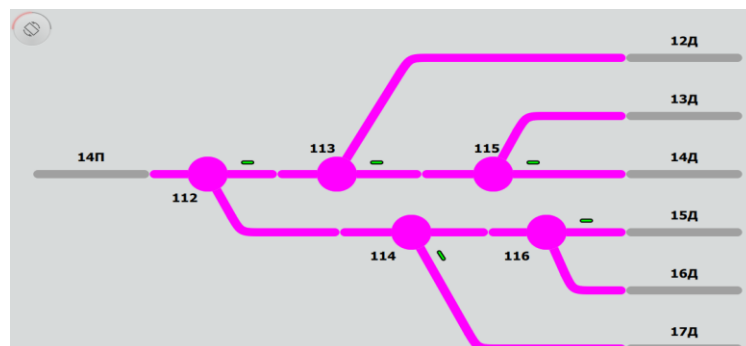# MICROPROCESSOR SYSTEM OF POINT MACHINE CONTROL VIA RADIO CHANNEL MAUS-R

System structure:
- ✓ control console
- ✓ point machine
- ✓ point indicator
- ✓ track box with control equipment via radio channel
- ✓ track box with axle counting system equipment
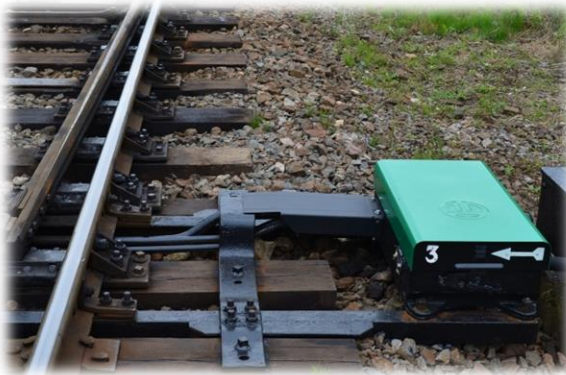- ✓ wheel sensor

Product modifications are determined by the specific requirements of the Customer for the system and object specific. All requirements are taken into account and implemented in the design part for a specific object.

The point machine is controlled remotely using the console (KS-01), as well as using a three-position switch, with control key located on the track box.

Using KS-01 or a switch on the track box the command is sent to move the turn-out to the "plus" or "minus" position. The position indication of the point machine is shown on the KS-01 console and by the point indicator, which is installed in front of the turn-out and indicates the direction.

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System parametrs

⚡	DC voltage	18 (24) B ±10%
⚡	AC voltage	380 (220) B ±10%
	Sensor type	DPD, RD
	Rail type	R50, R65, R75
IP	IP protection class	IP67
	Rail-clamp type	DIN-rail
	Speed	0-250 km/h
	Interface	RS-232, RS-422, RS-485
	Temperature	-60...+85°C (UHL1)
	Wire type (copper, optic)	SBZPU, ETEX-КМIEKV, OKLB

COMPLIANCE WITH THE STANDARDS :

✓ **GOST 15150-69 – execution UHL category 1;**

✓ **GOST 34012-2016 – class MC4;**

✓ **GOST 34012-2016 – class K4.**