



# TramSWing RTV-01

Switchboard for controlling of tram points

- Intended for transport companies with operation of trams
- Detection of tram within point area
- Secured opening of switchboard door (authorization sensor)
- Automatic illumination and heating of point
- Automatic and manual mode
- Compatible with wide range of tram on-board systems



## GENERAL DESCRIPTION

**TramSWing RTV-01** is a point switchboard for tram vehicles enabling the control both single or double points in all modes of setting.

## BASIC TECHNICAL DESCRIPTION

Every tram vehicle is equipped with on-board unit, which includes information not only on following points in direction of vehicle running, but also other operating information. By arrival of tram vehicle in front of the point, the tram is informed on approaching point. The driver defines vehicle direction on the on-board unit. The system detects, where the point is currently set (switched) and sets the point to the demanded position (it can be also kept), based on the on-board unit in tram. At the same time, the point is locked, and signal aspect is displayed on the point signal.

During passage of a tram through the point area, the vehicle is monitored by

a pair of detectors, detecting presence of the vehicle. After passage of tram (presence of vehicle was not detected) the point is automatically released and also aspects on point signal are changed.

When unauthorized switchboard door opening occurs, central controlling is automatically informed.

Control unit inside the switchboard heats the point automatically according to adjustable times of heating. In case a night period is evaluated (based on date and time), automatic point illumination is automatically switched-on when a vehicle enters the point area. After leaving of this area, illumination automatically turns off.





The device operates in two control modes – automatic (point is controlled using the on-board unit) and manual mode (point is controlled

using setting rod). The switchboard box is set by four M10 screws to preliminary prepared holes on suitable base.

The device can be extended by displaying of point status using a point signal TramSWing ESN83.

## BASIC TECHNICAL PARAMETERS

Switchboard box	closed, one-casing, single chamber, single-door
Switchboard material	plastics
Operating temperature	-25 °C to +55 °C
Power supply	600 V / 24 V, DC / IT (+10 / -13 %)
Type of switchboard lock	three-point on lever (sensor of unauthorized opening)
Protection by enclosure	IP44 / IP20, IK10
Dimensions (w × h × d)	1140 × 790 × 320 mm
Weight	50 kg

