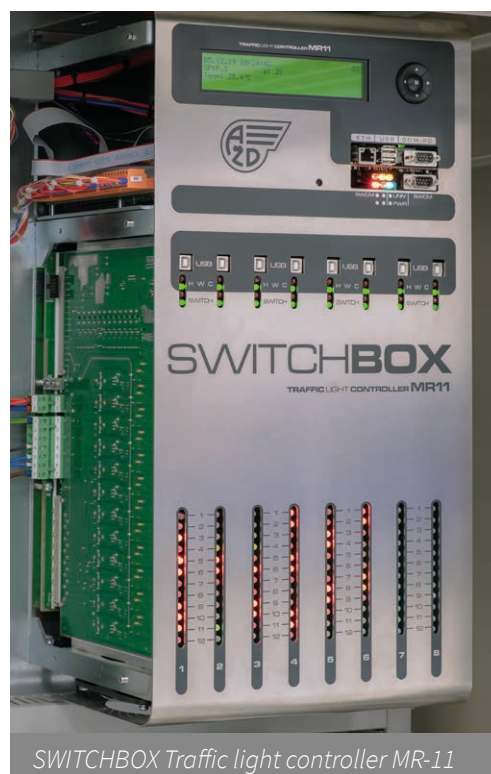




FlowSWing MR-11

Microprocessor controller for all types of intersections

- High reliability and safety
- Simple operation
- Modularity of components
- Universal communication interface OCIT
- Ready for C-Roads systems



SWITCHBOX Traffic light controller MR-11

GENERAL DESCRIPTION

FlowSWing MR-11 is controller of traffic light signals (SSZ) intended for efficient controlling of road transport and for quieting of traffic and safety situation on intersections in villages and towns. It is suitable for all types of intersections and enables active preferences of public transport and IRS.

TECHNICAL DESCRIPTION

The controller consists of control module and individual switch boards in modular design enabling high variability of configurations for optimum controlling of a specific light intersections. Components are built in a plastic box ensuring their maximum protection against external influences. The controller can be extended by additional accessories connectable to the universal communication interface of controller OCIT.

Traffic solution is created in environment of standard traffic-

engineering software. Software of the controller enables working in all common modes (firm signal plans, preferences of public transport and IRS, free creating of signal plan, program flashing yellow, night all-red etc.).

For service interventions (programming and diagnostics of failures) the controller is equipped with RS 232 interface, USB and Ethernet. For remote administration, the controller in basic design is equipped with GSM module (sending error messages) and GPS module (providing exact time).

The RS 485 interface for system communication and parallel interface for communication with other types of controllers or for extension by devices of other producers are also part of it. Hence the controller is compatible with commonly used devices and can work in function of group (common) or slave controller.

The controller can save into memory complete data from its operation, from connected detectors and data on traffic statistics. Behind the scope of demands of legislation, the MR-11 has been certified also for safety integrity level SIL 3 according to standard ČSN EN 61508.





BASIC TECHNICAL PARAMETERS

Working temperature	-40 °C to +60 °C
Supply voltage	230 V, 50 Hz
Protection by enclosure	IP 54
Max. number of signal groups	64
Max. number of phases in each signal plan	16
Max. number of power switches	288
Max. number of vehicle detectors	264
Max. number of pedestrian buttons	118
Max. number of programs (of signal plans)	60
Manual control	usually 6 phases, max. 20 phases
Supervision of signals	all installed
Support of LED signals	230 V, 42 V, 12 V

