



EduSWing MD 2+

Educational controller for controlling of light signalling on children's traffic playgrounds

- Automatic or manual operation of controller with Pause function
- Prepared variants of children's traffic playground depending on ground area
- Providing of complete delivery of children's traffic playground (groundworks, marking, pedestrian ways, ...)
- Includes training of pedestrians (e.g. light crossings)



GENERAL DESCRIPTION

EduSWing MD 2+ is an educational microprocessor controller intended for control and operation of light signalling on children's traffic playgrounds (DDH).

BASIC TECHNICAL DESCRIPTION

The controller enables adequately to control the light intersection, railway crossing with barriers or without barriers and signalization on exit of vehicles of Integrated Rescue System (IRS). For educational purpose, both function of automatic control mode and also possibility of manual control are adjustable in the controller (can be switched-over at any time).

DDH includes basic elements of traffic operation (intersections, traffic signs etc.). This way, the awareness of pupils about road traffic regulations increases, which can prevent so traffic accidents in future. Using the PAUSE

button, operation on intersection can be stopped until the button is pushed again. During this pause, the teacher can familiarize pupils in detail with meaning of traffic lights and warning boards.

Operation of railway crossings and exits of IRS in automatic mode is set on 3 and 4 minutes, in manual mode, the operator itself controls them. In addition, exit of IRS can be anytime manually activated by the button on post of IRS.

Complete realization of the children's traffic playground includes also building of road and pedestrian-ways including groundworks and landscaping (road





with bituminous surface, pedestrian ways fitted with interlocking paver, ...).

The MD 2+ controller is built in plastic box and it can be installed on wall or on modified post of manual control.

As an alternative, we deliver type of controller called MD2 without front panel, only for function of automatic control mode.

There are three variants of DDH depending on ground area:

- Minimum (smaller area)
- Classic (greater area)
- Portable (mobile DDH)

Using a methodology based on BESIP concept, participants can learn on DDH how to use basic rules and behavior in road traffic. They can also learn, how to use basic

traffic signalling (vertical signalling – reduced variant 400 mm and horizontal marking – special painting by single-component paint). DDH has been designed so that it includes all important basic elements of road traffic (light intersection of „cross“ type, intersection of „T“ type, traffic circle, railway crossing, exit of vehicles of IRS, one-way traffic and others).

BASIC TECHNICAL PARAMETERS OF SWITCHBOARD

Supply voltage	230 V, 40 V
Switchboard use	indoor and outdoor
Material of box	plastics
Protection by enclosure	IP 65

