



MICROPROCESSOR CONTROLLER MD-1

- Designed for children traffic playgrounds
- Integration of road intersection and level crossing signaling
- Different simulations of road traffic control
- High reliability
- Easy operation

General Description

It is an intelligent unit, manufactured by the most modern technology procedures.

The microprocessor Controller MD-1 has been developed primarily for children traffic playgrounds. It can be used effectively also for practical training in driving schools or in automobile clubs. It is used for light signaling control thanks to which the children gain habits necessary for a safe behaviour in the current highway traffic.

Basic Technical Description

In development of this device, simple and safe use was emphasized. Therefore, MD 1 controller is only controlled using two pushbuttons. The first pushbutton is used to select automatic control or flashing yellow for response training in case that signal is lost. The other pushbutton will switch to simulation of an acoustic controlled railway crossing. The light signal cycle times can be set up using two optional programs according to the future user request. The first program option allows to select cycle times of 80, 90, 100 or 110 seconds, and the other option allows 40, 50, 60 or 70 seconds. The controller will adequately simulate the phase control mode for up to four-leg intersection with full symbols on the light signal, including response to the pedestrian push-

button call. The light signal devices and signals on the railway crossing are supplied in a size suitable for a children traffic playground.

Controller can be connected to an upgrading module, which can control for example an isolated light control crossing by „shuttle“ signalling or an adjacent intersection controlled by light signals and also very complicated road junctions. Also by electronics switch-over in the MD-1 controller the „Austrian Intersection Model“ can be used. Practically this means, that during the change from green to yellow the green signal flashes three times.





Basic Technical Parameters

Power supply	from public supply system 230 V, 50 Hz
IP cover	IP 55 in open state IP 24
Surrounding temperature – operating	-20 °C to 50 °C



Children's traffic playground – Zlín

Microprocessor Controller MD-1 has been developed for application of children traffic playground for control of light signalling.



Children's traffic playground – Zlín



Children's traffic playground – Příbram