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Motor vehicle traffic control
Regulace provozu motorových vozidel

Operation via a configurable control unit
Ovládání konfigurovatelnou řídicí jednotkou

Improvement of traffic fluency and safety
Zlepšení plynulosti a bezpečnosti dopravy

Highly reliable operation
Vysoce spolehlivý provoz

Fast and easy to install
Snadná a rychlá instalace

Autonomous operation
Autonomní provoz

TRAFFIC CONTROL SYSTEM
SYSTÉM ŘÍZENÍ DOPRAVY

GPU TC

GPU TC - SYSTEM OF VEHICLE TRAFFIC CONTROL

Description

A sophisticated system of traffic control that monitores the presence of motor vehicles on roads featuring only limited space. Based on the acquired information, the system optimizes the entries and exits of vehicles. The system is operated by a universal microprocessor control unit. The unit is fully programmable and thus enables a wide range of solutions exactly according to individual needs. The system usually operates entirely automatically, however, it can also be used as an integrated unit within on-line applications. The control unit parameters can be set simply from a connected master computer.

Characteristics

- control of motor vehicle traffic on narrow roads
- a configurable control unit allowing different types of use
- a lot of inputs and outputs designed for the connection of a number of peripherals
- the system operation does not require the connection with a master system

Use

The traffic control system is suitable for passages with limited space available where simultaneous movement of vehicles in both directions would be impossible and, therefore, the traffic regulation is required there. The traffic control system can be used at the following places:

- passages to yards of residential houses,
- inadequately sized garage entries and exits,
- narrow bridges and small local roads,
- internal roads of industrial sites, etc.

Main advantages

- effective regulation of passages in compliance with present traffic requirements
- improvement of traffic safety and smoothing the traffic flow
- highly reliable operation, a minimum number of failures
- fast and easy to install

Basic components

- a metal distribution cabinet
- a microprocessor unit including control firmware
- power supply

Optional accessories

A number of different types of peripherals can be connected to the system control unit via external outputs:

- access components (automatic road barriers, garage gates, platform lifts),
- light signalling devices (a beacon, efficient two aspect colour signals),
- variable traffic signs (information tables, displays for the parking zone occupancy depiction).

The system functionalities can be extended via a number of inputs that are available within the control unit. The inputs can be used e.g. for:

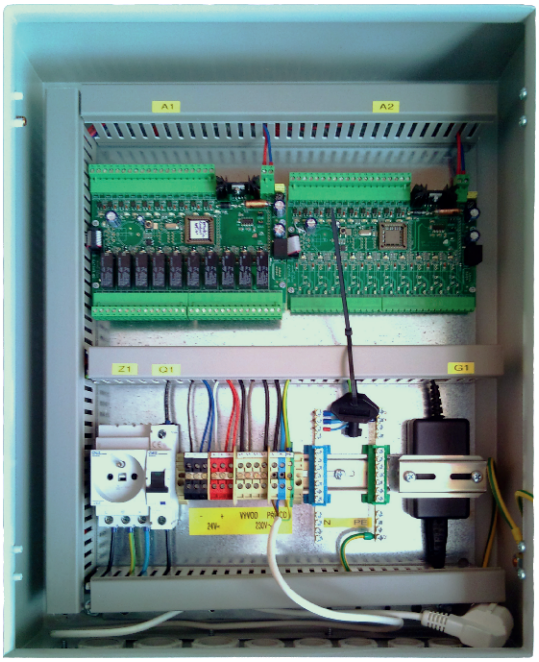
- the connection of a detection gadget accessing the presence and movement of vehicles within a monitored area,
- switching over between the modes *Day and Night*,
- activation of the mode *Permanently open*,
- the entry with the use of a remote control or another access medium with a voltage free output contact.

The traffic control system can be further extended by other items of optional accessories:

- a module for the extension by 6 inputs and 6 outputs,
- a camera system, etc.

Other parameters

Dimensions of the switchboard	400 × 160 × 500 mm
Control	microprocessor
Number of input signals	10 (16 upon the installation of an extension module)
Number of output signals	10 (16 upon the installation of an extension module)
Control output	a voltage free contact
Communication interface	the RS-232 serial port
Distribution network	TN-S (a three-conductor line L, N, PE)
Power supply	230 V AC / 50 Hz
Supply voltage	24 V DC



GREEN CENTER S.R.O.
ZENKLOVA 1545/39
180 00 PRAHA 8 – LIBEŇ
CZECH REPUBLIC

TEL.: +420 266 090 090
GSM: +420 606 634 246
E-MAIL: EXPORT@GREEN.CZ
WEB: WWW.GREEN.CZ