Traffic-light system MPB 4400 – one traffic-light for all needs.

reliable, flexible, universal

Safety by Berghaus

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MPB 4400 – radio-controlled signal system, vehicle-actuated for alternating one-way traffic, can be extended for crossroads.

Wouldn't you find it reassuring to have just one traffic light system capable of controlling almost every road traffic situation needing a mobile traffic light?

A traffic-light system consisting of two or several MPB 4400 signal heads can be used to control one-way traffic through to crossroads, ideally with vehicle actuation. The interesting thing about our system is that all traffic lights are 100 % identical and can be combined by the user in any way time and again, depending on the specific traffic situation.

The simple addition of an identical third signal head already lets you control a T-junction. And with just four individual signal heads, i. e. two complete traffic-light systems, you can deal with crossroads traffic or a pedestrian crossing.

In other words, with two available MPB 4400 traffic light systems, in practice you can control alternating one-way traffic in two different places on Mondays, a T-junction on Tuesdays, a crossroads on Wednesdays, a pedestrian crossing on Thursdays and on Fridays, local public traffic signalling with special signal patterns for local buses.

Other advantages of the MPB 4400:

- vehicle-actuated control with directional radar detectors
- fixed phase mode, request mode, green phase extension, manual operation with continuous red or continuous green, flashing, lamps off, green on request (continuous red)
- different modes can also be mixed, for example: main road with green phase extension and side road (or roadworks exit) on request
- printout of all relevant data as per RiLSA and TL-LSA possible from the working traffic lights on site
- timed program changeover with day and week programs for flexible traffic control
- also for pedestrians, for coordinating local public transport with progressive signalling, SMS module, fire brigade control, and much more besides

Simple dialogue-based operation.

The MPB 4400 roadworks traffic-light system brings together decades of experience in both the production and daily practical use of mobile traffic light systems, combining them with innovative ideas.

Simple handling with menu-driven handheld terminal for up to 4 signal groups. When programmed with a laptop, it is possible to control up to 12 groups and maximum 24 monitored and 24 parallel signal heads.

Operation:
The MPB 4400 is adjusted with the convenient handheld terminal for really easy operation. The traffic-light system can be adjusted in just a few steps without any special previous knowledge. Once the handheld terminal has been switched on, it polls all relevant parameters in a dialogue. The following explanation shows e.g. how to adjust a vehicle-actuated one-way traffic control:

- The handheld terminal asks whether you want to operate with radio, cable or quartz control.
- Enter the length of the roadworks (e.g. 50 m) and the permitted speed (e. g. 30 km/h). The handheld terminal now automatically calculates the clearance time (as per RiLSA). The user can only change this by increasing it, for safety reasons.
- The green phase is now queried separately for each side. A minimum green phase (e. g. 10 s) and a maximum green phase (e. g. 50 s) have to be entered for vehicle-actuated operation.
- That already completes programming for a vehicle-actuated alternating one-way traffic system.
- Now simply put the programming device in the traffic light and press the button to transfer the program. You can switch the handheld terminal off and leave it in the traffic light, or take it with you to prevent any unauthorised access.

The signal timetable can also be entered in the handheld terminal in the peace and quiet of the office, right away from the actual traffic light. Once the traffic lights have been set up at the roadwork site, the fitter simply places the programming device in the signal head and transfers the already compiled data to the traffic lights – that's all!

By the way, all data can be read back into the handheld terminal and changed if necessary before being transmitted to the traffic lights again, without having to switch any part of the system off.

Technical data	
Operating voltage	approx. 10–14 V DC (electronic reverse polarity protection as well as under- and over-voltage protection; no loss of data when changing the battery)
Power consumption for radio operation	mean per signal head: approx. 0.59 A (LED)
Lamps	Innovative LED lamps (with lighting test as per DIN EN 12368) with night-time reduction feature
Fuse	4 A, 5 x 20 mm, medium time lag (commercially available)
Data transmission	cable or digital radio path
Radio path	max. length up to 2,000 m under ideal conditions

On request, we keep all MPB 4400 systems constantly up-to-date with the latest software status free of charge, as if you had only just purchased the system.

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