

Our price - your advantage!

Fachbetrieb und Mitglied im
Verein für Verkehrstechnik
und Verkehrssicherung e.V.



MPB 3200

Low-cost traffic signal system for one-way alternating traffic

Easy to control, clearly organised at a glance

Universal in use with radio, cable and quartz control

All signal heads are the same – decide for your-self which signal head to use as transmitter or receiver

Equipped with directional radar detectors for traffic-dependent operation

Halogen lamps as a standard feature – on request with new optimised LED technology



MPB 3200 fulfils all the regulations of VDE 0832 and RiLSA for radio, cable and quartz controlled systems and corresponds to type classes A, B and C of the Technical Delivery Conditions (TL) Portable Traffic Signal Systems 97.

Staying to our principles: simplicity of operation

Range of application:

Our new low-cost traffic signal system MPB 3200 can be used as a radio, cable or quartz system. It is designed for controlling bottlenecks; the VA version for traffic-dependent operation is equipped with directional radar detectors. It is erected quickly and can be operated intuitively without demanding much previous knowledge. All signal heads could be used for quartz-, cable- or radio operation.

As a special feature of our export version, automatic changeover between radio and quartz operation can be activated on request.

Modes of operation:

- Automatic fixed time mode
- Automatic green time extension
- Automatic green on demand (manual activation mode / basic setting all-red)
- All-red in cable and radio mode
- Manual operation from every signal head possible in cable and radio mode
- Manual operation (fixed green) in quartz mode
- Manual operation (fixed red) in quartz mode
- Lamps off
- Flashing

Standard equipment:

- Red light monitoring
- Green-green locking
- Status monitoring
- Illuminates information display which shows battery status, cycle second, operating status, radar detector function, manual mode, field strength for multifrequency operation, plain text fault message etc.
- Nighttime dimming (prolongs battery change intervals many times over)



Operation:

The controls for MPB 3200 are well organised, extremely simple to use and can even be read when the system is switched off. The function switch selects whether the signal system is being run by radio, cable or quartz operation. The corresponding setting is selected with the mode switch. All signal heads are the same so you can decide for yourself which signal head to use as transmitter or receiver (with active feedback) for radio operation.

The rotating actuator is used to adjust the necessary clearance times (interim times) and the green times for the transmitter and receiver control unit. In radio or cable mode, these can also be adjusted separately for every direction of travel. Again in radio or cable mode, the illuminated information display even provides information about the other side. It is thus possible for example in manual mode to read off the cycle status or an occurring fault at every signal head.

State-of-the-art technology is also involved in the radio transmission system: now even better transmission quality is possible than before. The security of the radio connection is enhanced.

The highly intelligent MPB 3200 with radio, cable and quartz control

Our new signal system MPB 3200 consists of two three-aspect signal heads. They are made of impact-proof, UV-resistant polycarbonate. All signal heads have the same equipment. That means they can not only be put to universal use but also eliminate the need for keeping large quantities of costly spare parts, as is the case when using differing designs. The compact structure means that even in the multifrequency version, the complete controls can be integrated in the green chamber of the three-chamber system. It is easily accessible thanks to a quick fastener and can still be locked to prevent unauthorised access. The portable aluminium battery casings are statically tested. They support the signal heads and can accommodate two batteries (12V/170Ah). The lower edge of the signal head is fully variable up to 1.80 m above the erection surface.



In the interest of trouble-free traffic-dependent control, the signal system is equipped with directional radar detectors as a standard feature for this specific purpose. The road users are informed by an LED in the radar detector that their request has been registered. Reliable all-red mode (green on request) is only possible with directional radar detectors, because these are not susceptible to interference from cross traffic, departing traffic, rain or snow.



Our new MPB 3200 is equipped with halogen lamps 12 V / 10 W as a standard feature. Fully variable adaptation of the luminous intensity of the signal heads to the ambient brightness is achieved by the automatic night-time reduction. In this way, the battery change intervals can be extended many times over.

On request, the signal system is equipped with new LED technology, either ex works or for retrofitting by the user. New actuation electronics and the use of innovative LED technology has reduced the already low power consumption rate of our LED modules even further. This results in additional energy savings of up to 50% compared to the previous LED technology, while still maintaining the same brightness even when there is a decrease in the supply voltage!

The new radio, cable and quartz controlled MPB 3200: innovative technology at a low price! Just ask us for a quotation!

Technical data

Rated voltage:	8-14 V DC (electronic reverse polarity protection, undervoltage and overvoltage protection)
Voltage of use with cable- and quartz control:	
Daytime mode:	approx. 0.93 A per signal head (halogen)
Nighttime mode:	approx. 0.45 A per signal head (halogen)
Voltage of use with radio control:	
Daytime mode:	approx. 1.13 A per signal head (halogen)
Nighttime mode:	approx. 0.65 A per signal head (halogen)
Light sources:	12 V / 10 W halogen bulbs (commercially available) – on request equipped with new LED technology,
Fuses:	4 A, 5x20 mm, semi time-lag (commercially available)
Control system modes:	Fixed time, traffic flow dependent with green time extension, traffic flow dependent with green on demand, all-red, manual, flashing, lamps off
Data transmission:	Cable or digital radio transmission
Radio path:	Maximum distance under ideal conditions up to 2000 m

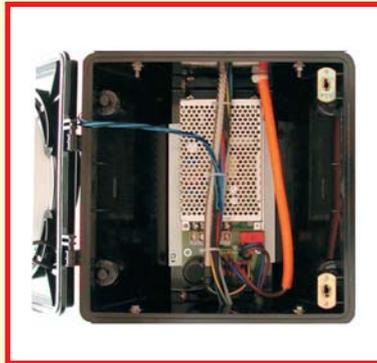
New:

In the export version, automatic changeover between radio and quartz operation can be activated on request.

Excerpt from the accessories for traffic signal MPB 3200



SMS module for MPB 3200
With this module, the traffic signal reports e.g. critical battery charge statuses or freely defined error messages by fax, e-mail or directly to the technicians' mobile phone. A SIM card from any mobile phone provider is required.



Voltage transformer / power pack for operation from 230 V / 42 V AC. Here just one cable is responsible for power supply and data transfer between the signal heads. The system changes over automatically to the 12V battery following failure of the site power supply.



8-channel radio hand unit with acoustic feedback for MPB 3200 as additional extra. External cable remote control is also available. Simple remote control can also be used for public transport request with bus priority.

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