

MTC 5000 Controller Series

Modern technology
for complex traffic management

Traffic in motion 

 **Signalbau Huber**

Optimized traffic flow by means of traffic light control systems

The focus is on intersections in cities. For years, the trend here has consistently been towards ever more vehicles and differentiated requirements – public transport priority, for example. Even at junctions hitherto provided with only simple control systems, the need for complex control systems is becoming clear.

Traffic management at medium and large intersections is only possible with high-performance traffic light control systems. The solution from Signalbau Huber: the MTC 5000 Controller Series. It ensures and optimizes traffic flow. Emission of pollutants from waiting vehicles is decreased. Public transport priority with its complex influence on normal traffic flow is taken into account.

By using the MTC 5000 Series controllers from Signalbau Huber, these varied requirements can be satisfied – from simple intersections to complex junctions.



Signalbau Huber's innovative control technology

Modern traffic management needs high-performance control systems. The MTC 5000 Controller Series from Signalbau Huber, comprising the MTC 500 and 5000 units, meets all current requirements of modern control systems. The units' modular design permits a precise and economic adaption to the most diverse circumstances.

With the MTC 5000 Series controllers complex control systems large-scale junctions can be realized. Measures for public transport priority are feasible and special applications can be implemented.

The MTC 5000 Series from Signalbau Huber with the MTC 500 and 5000 controllers forms the upper section of the performance range in the controller sector.

State-of-the-art electronics for traffic light control

Up-to-date electronics with 32-bit processor technology are used in the MTC Series controllers from Signalbau Huber. This guarantees maximum system availability, performance and reliability. The processor unit has inbuilt two-channel diversity and prevents invalid signal patterns.

By means of systematic application of modern technology, the controller can be supplied at low cost. The times needed for installation and servicing are short, due to innovative modular mechanical design. For implementing traffic-dependent control systems, the MTC 5000 Series units from Signalbau Huber have appropriate inputs for request-buttons and sensors. A radio controlled clock (DCF-77 receiver) is available as an option.



Economy - Performance - Compatibility

Economy: application of new technologies enables Signalbau Huber to provide the MTC 5000 as a high-performance and cost-effective controller: the MTC 5000 Series controllers are extremely economical and reliable to install and operate.

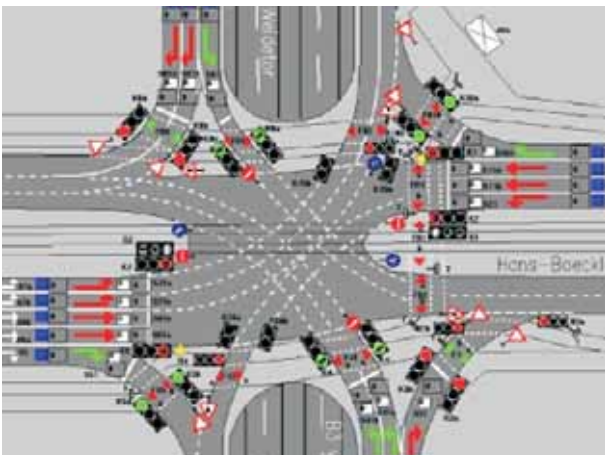
Performance: the units' exceptional performance makes it possible to employ standardized current and future traffic control systems at junctions. Public transport priority is comprehensively supported.

Compatibility: provision of a variety of interfaces and the open design of the controllers' architecture enable them to be connected to other systems. Further interfaces can be adapted. The scope for modular expansion and the modest amount of cabling involved also make an MTC 5000 Series controller easily upgradable if the traffic arrangements at a junction are altered.

Efficient data supply to controllers

For supplying data to controllers an integrated development environment which will run on a PC has been designed. The MTC 5000 Series controllers from Signalbau Huber are programmed using a high-level programming language (HVT). This gives the control system virtually unlimited flexibility. To simplify programming, a traffic engineering software library of commands and structures is available.

This design facilitates hardware-independent programming. The open method of programming allows the unit to be adapted for special applications and specific client requirements to be implemented. Operating states and the online signal schedule can be read out through software and portable computer. Alternatively, all parameters can be retrieved from a central traffic computer. Furthermore, all messages can be read out at the controller on an alphanumeric display. Parameters can be set using a PC-supported service tool.



Signalbau Huber Company Profile

For more than 50 years, Signalbau Huber has been operating in the field of traffic control and traffic guidance. We develop and implement innovative traffic management systems based on the long-time know-how of experienced and highly qualified employees. Our diversified product range enables us to provide the optimal solution for every traffic-technological requirement.

Signalbau-Huber is operating internationally and is represented in many countries.

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