

Control unit

PINTSCH BAMAG BUEP

Level crossing protection unit

Use

The BUEP technology can be used for a wide range of applications in the area of level crossing protection. Because of its high flexibility the BUEP is very popular for use in private, factory and port railways. Due to its modular construction with basic equipment and functional groups it can be individually enlarged. The BUEP supports the AOCL, ABCL as well as MCB and CCTV.

Design

The BUEP concept is based on a non vital single computer system and a safe relay control unit. The computer system is located in a European format rack, the relay control unit on a standard relay group frame.

The uninterruptible power supply is guaranteed by the PINTSCH BAMAG battery charging device GMC-E. The supply voltage is 230V AC.

Features

The basic equipment is designed for level crossings with a single track and the monitoring type AOCL. Up to six roadside signals can be attached. Designed to fulfil the requirements of the German private railway industry the BUEP is able to realize all operational cases described in the German guidelines in order to optimise both railway and road traffic.

Optionally a second track group can be attached. The BUEP control unit can easily be graded up to 30 roadside signals and 10 barriers. In addition it is possible to connect an audible alarm device.

Strike in (activation) and strike out (deactivation) can be realised by track switches like treadles and magnetic switches, induction loops, wheel counting systems / axle counters, track circuits, manual switching equipment or interlocking.

Taking account of the non vital computer system the configuration of the control unit can easily be adapted to new requirements of the level crossing.

Diagnostic

The BUEP is equipped with two data recording units. The maintenance memory records the detailed datasets of about 25 level crossing closing cycles. The juridical memory records the key information of about 90 level crossing closing events. The stored data files can be downloaded locally via a serial interface or wide area via modem. The status of the level crossing device can be monitored by PINTSCH BAMAG Standard Remote Diagnosis software.



19" rack , relay groups, light set