

- Controls communication between MVB and WTB.
- Controls coupling between different train units.
- Compatible with UIC 556.



DESCRIPTION

This equipment controls the train bus (**WTB**) communication between various coupled units.

Two **redundant** gateways are fitted per unit (GW1 and GW2) to improve availability. In each instant, only one of these shall be activated.

On starting the system, the Gateways of the various units communicate with each other to determine the current train configuration. Once this process (known as *Train inauguration*) is complete, one of the Gateways takes control and controls the WTB communications in accordance with the configuration of each Gateway. Once in normal operation, the *inauguration* is performed as many times as the train configuration changes.

There is a software for this equipment from the CCU/BA equipment which permits simple access to variables relating to the train topology and unit coupling and uncoupling control.

In addition to the communication between MVB and WTB to control the coupling of various train units, TRAIINTIC has also various Gateway solutions to connect equipment linked to other train buses (CAN, RS485, Ethernet, etc.).

CHARACTERISTICS

- Interfaces:
 - > 1 RS232 interface for equipment **setting**.
 - > 4 **WTB** interfaces.
 - > 2 **MVB** interfaces.
- **LEDs** for fault detection and to facilitate maintenance.
- Reliability:
 - > MKBF: 3.000.000 km (average speed of 30km/hour).
 - > MTBF: 100.000 hours (50°C air temperature).
- Designed in accordance with IEC 61375-1, UIC 556 and EN50155.
- Operating temperature: -25 to 85 °C (**T3**).
- Battery voltage: 24-110 VDC.
- Consumed Power: < 20 W.

DIMENSIONS AND WEIGHT

- Dimensions: 28HP x 3U (width x height).
- Weight: 1Kg.

