COMSOFT

PROFIBUS®

PROFIBUS Repeater

4-port PROFIBUS RS-485 Repeater

PROFIBUS Repeater – High performance and cost-effective

PROFIBUS, the fieldbus-based automation standard of PI (PROFIBUS & PROFINET International), is currently present in every branch of industrial automation. For big and complex PROFIBUS installations there are limitations concerning the number of subscribers, operating range and velocity.

With the new PROFIBUS Repeater from COMSOFT the entire performance capacity of PROFIBUS can be used without any restrictions. It is a supremely cost-effective, simple, but nevertheless high performance, device, which connects different PROFIBUS segments to each other efficiently.

The PROFIBUS Repeater is 100 per cent plug and play and can be used in every RS-485 based PROFIBUS network (FMS, MPI or DP). The Repeater is suitable for hat rail mounting and supports all common transmission speeds from 9.6 Kbit/s up to 12.000 Kbit/s.

The brand new signal regeneration concept no longer requires Dip switches and error LEDs, normally a must in combination with conventional PROFIBUS Repeater concepts for a safe operation.

The COMSOFT PROFIBUS Repeater is immediately operational after switching on the power supply and requires no baud rate detecting synchronisation phase.

So, typical problems such as not functioning baud rate detection, in combination with networks of poor transmission quality, or the usual delays are a thing of the past.

The PROFIBUS Repeater supports four PROFIBUS segments simultaneously. These can be operated as star, line or branch segments. The single PROFIBUS segments are galvanically isolated. To connect the segments standard PROFIBUS plugs can be used. The missing Dip switches generally avoid a faulty configuration of the Repeater.

Highlights

- Works in every RS-485 based PROFIBUS network (FMS, MPI or DP)
- 9.6 Kbit/s - 12.000 Kbit/s
- Implementation of PROFIBUS segments in star-shaped design
- Trouble-free bus extension in combination with every baud rate
- Trouble-free implementation of branches
- Transparent, delay free PROFIBUS communication
- No baud rate detection
- Plug-and-play operation without configuration
- Green LED to indicate PROFIBUS activity

Technical Data

PROFIBUS Segments	4
Transmission Speed	9.6 Kbit/s - 12.000 Kbit/s
Power Supply	24 V DC
Interfaces	4 * 9 pin SUB-D
Activity Display	LED green