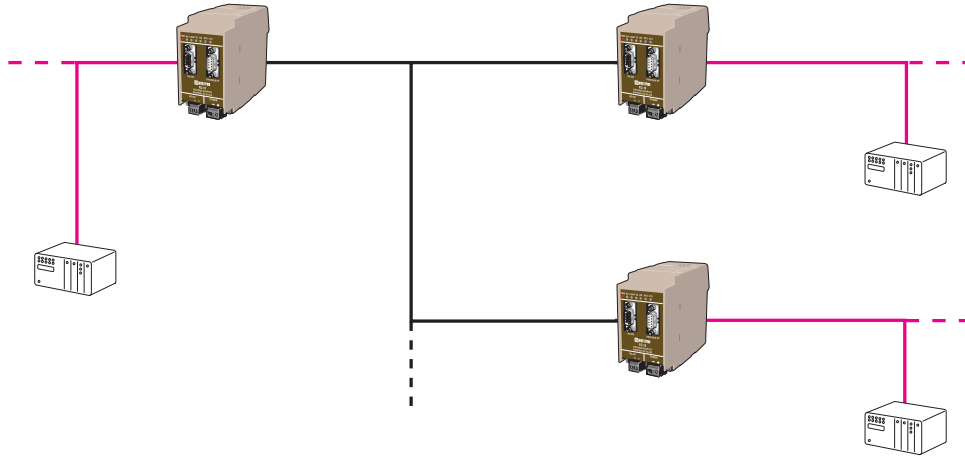# FD-10
Fieldbus adapter, Profibus DP-slave

- RS-232 / RS-485
- Permits connection of a Profibus DP-network via serial data links
- Serial data links: Point-to-point, Addressed and Network mode
- Galvanic isolation
- Full termination and failsafe switch selectable
- Integrated PROFIBUS DP-slave
- Compatible with PROFIBUS DP-standard I/O-Data
- Easy and transparent data transmission of up to 65 DP I/O-words in a PROFIBUS DP-network
- Reliable performance and function
- Handles high levels of interference and exposed locations

Field of application

FD-10 is an industrial PROFIBUS DP-slave unit available in three different models: FD-10 P, point-to-point, FD-10 A, addressed, and FD-10 N, network, it can transmit PROFIBUS DP-data via leased lines, dial-up modem or radio systems without using special software drivers or special PLC-cards. FD-10 can be used to transmit information between different PROFIBUS DP-networks. All Westermo fieldbus adapters use the same protocol to communicate with each other via the serial interface. The flexibility of the Westermo serial protocol means that it is possible, for instance, to mount the units with a radio modem on driverless trucks and send process data to a master PROFIBUS-network. FD-10 is easy to configure using the FD-Tool, a Windows based software package, which is run on a PC.
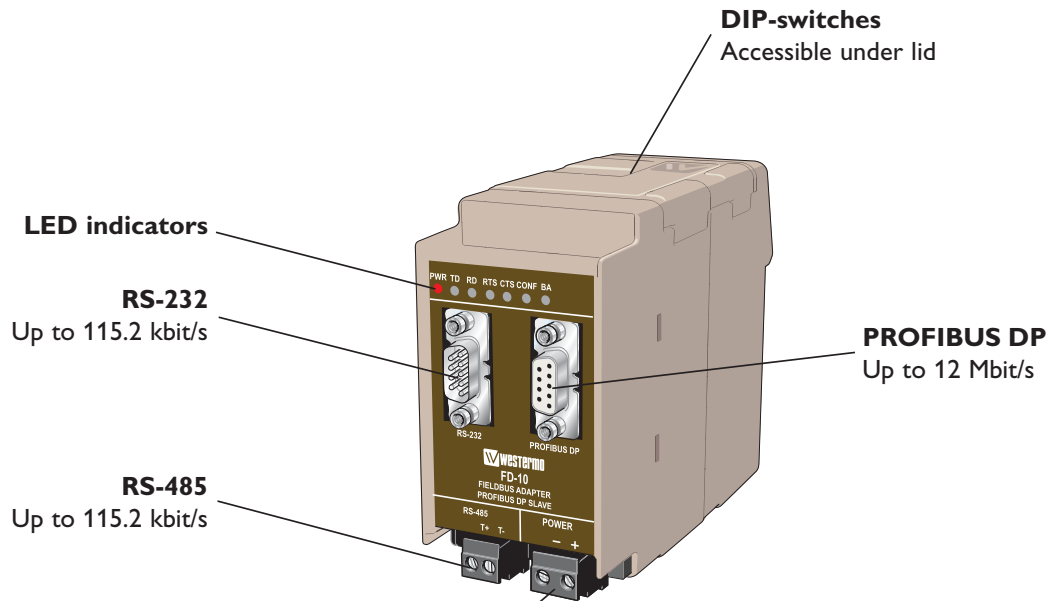
Application

Also see application on page 41

Interface

DIP-switches
Accessible under lid

LED indicators

RS-232
Up to 115.2 kbit/s

PROFIBUS DP
Up to 12 Mbit/s

RS-485
Up to 115.2 kbit/s

Power

	FD-10
Operating voltage	9.6-57.6 VDC
Rated current	250 mA @ 12 VDC, 120 mA @ 24 VDC, 60 mA @ 48 VDC
Rated frequency	DC
Connection	Detachable 2-pos. screw terminal