

TD-29P

Multidrop PROFIBUS modem



- Permits PROFIBUS communication to remote connections, both point-to-point and multidrop
- Half-duplex communications with data rates 9600 bit/s and 19.2 kbit/s
- Galvanic isolation
- Dip-switch configuration
- Transmission range up to 10 km (6.21 mi)
- Transient protection on the line side
- Also available with extended temperature range
- Reliable performance and function
- Handles high levels of interference and exposed locations

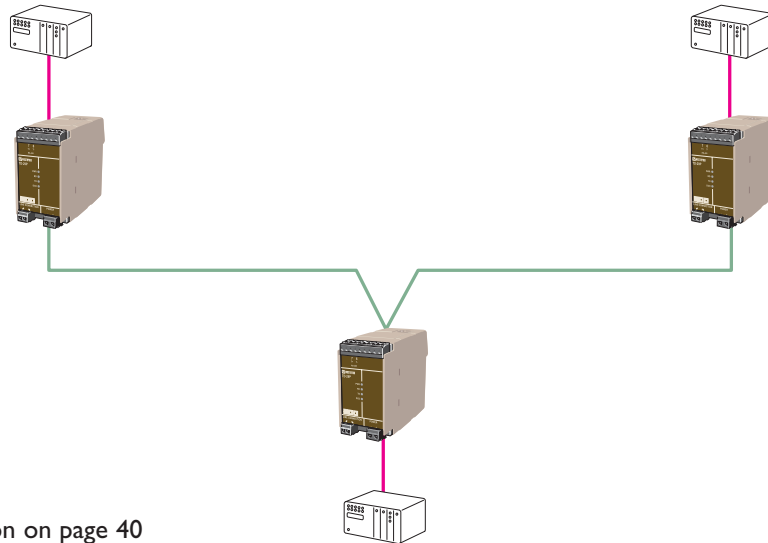
Field of application

TD-29P is designed to meet industrial demands on reliability and functionality in environments with high levels of interference. TD-29P is intended for half duplex communications over a 2-wire dedicated line of the PROFIBUS protocol (RS-485). TD-29P can be used as a repeater, point-to-point or in a multidrop application.

Data rates 9600 and 19200 bit/s are supported over a range of up to 10 km (6.21 mi). The transmission range and number of multidrop points are affected by the number of connected modems and line quality. Typically 10 TD-29P could be connected along 11 km of cable at a data rate of 9600 bit/s. TD-29P is designed for dedicated lines and must not be connected to the telephone network or leased lines.

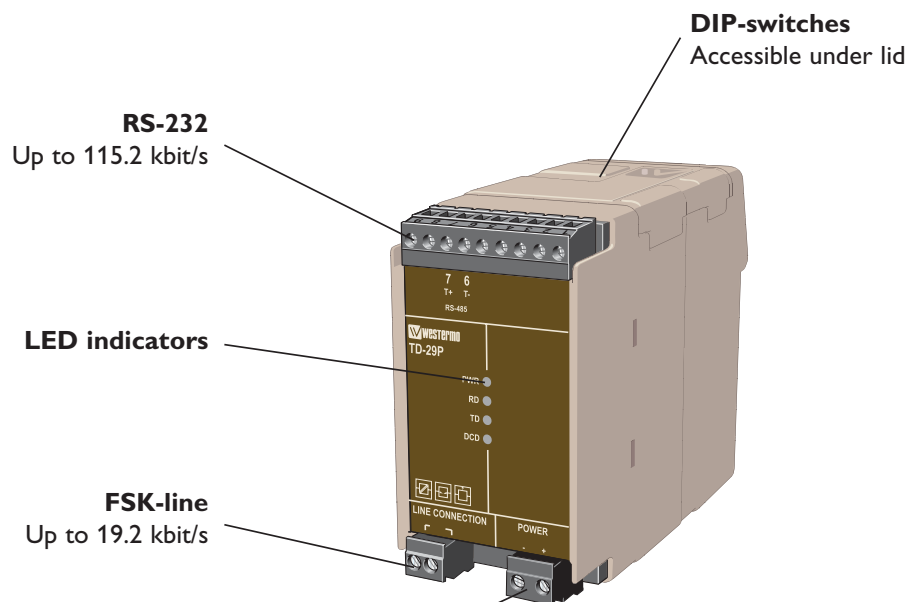
TD-29P is intended for mounting on a 35 mm DIN-rail, where the modem is attached and locked in a single action.

Application



Also see application on page 40

Interface



Power

| | TD-29P |
|-------------------|----------------------------------|
| Operating voltage | 12 – 36 VDC |
| Rated current | 200 mA |
| Rated frequency | DC (polarity protected) |
| Connection | Detachable 2-pos. screw terminal |