

MD-21

20 mA Current loop converter



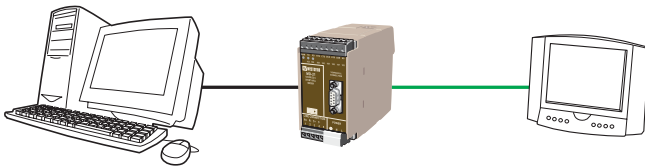
- ❑ Conversion between 20 mA current loop and RS-232
- ❑ Galvanic isolation
- ❑ Transient suppression
- ❑ Code independent/transparent
- ❑ Transmitter and receiver can be configured as active or passive
- ❑ Ensures communication over long distances and in environments with high levels of interference
- ❑ AC-/DC-supply
- ❑ Reliable performance and function

Field of application

MD-21 is used in point-to-point applications where interface conversion from a 20 mA current loop to RS-232 is required to permit communication between different devices. In some cases the converters are used for connection in loops, these are then limited to a total of 6 connected devices.

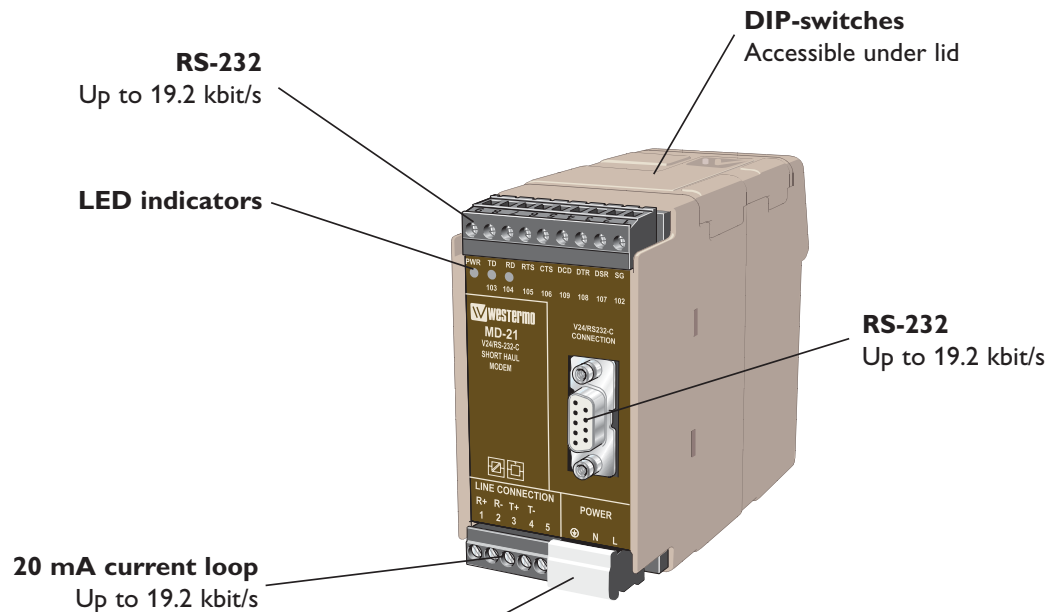
The converter can be set "active" to supply the line with current or "passive" depending on how the connected device is configured. Data rates up to 19.2 kbit/s and transmission ranges up to 6 km (3.73 mi) are possible depending on the data rate. MD-21 is intended for mounting on a 35 mm DIN-rail, where the modem is attached and locked in a single action.

Application



Also see application on page 45

Interface



Power

	MD-21 AC	MD-21 115 AC	MD-21 DC	MD-21 36 – 55 DC
Operating voltage	207 – 264 VAC	103 – 132 VAC	12 – 36 VDC	36 – 55 VDC
Rated current	22 mA @ 230 VAC	44 mA @ 115 VAC	140 mA @ 12 VDC	50 mA @ 36 VDC
Rated frequency	48 – 62Hz	48 – 62 Hz	DC	DC
Connection	Detachable 3-pos. screw terminal	Detachable 3-pos. screw terminal	Detachable 2-pos. screw terminal	Detachable 2-pos. screw terminal