

MDW-45

RS-232 to RS-422/485 Converter



- Conversion between RS-232 and RS-422/485
- Can be used for multidrop applications with RS-232 devices
- Direction controlled by data flow
- Galvanic isolation
- Full termination and failsafe switch selectable
- Transient suppression
- Code independent/transparent
- Reliable performance and function over long distance and in environments with high level of interference
- Extended temp. range -40 to 70°C (-40°F to 158°F)
- Railway applications. Signalling and telecommunications apparatus

Field of application

MDW-45 is designed to meet industrial demands for reliability and functionality in environments with high levels of interference.

MDW-45 is an interface converter between RS-232 and RS-485/422. The device can be used in multidrop and point-to-point applications to communicate on 2-wire or 4-wire connections up to 1200 metres (4000 ft) and with 32 connected devices in bus oriented applications.

In 2-wire half-duplex communication (RS-485) MDW-45 can automatically control the data flow depending from which side the data is sent.

Greater transmission ranges or additional connected devices on the bus can be possible with one or more repeaters. MDW-45 is designed for mounting on 35 mm DIN-rails.

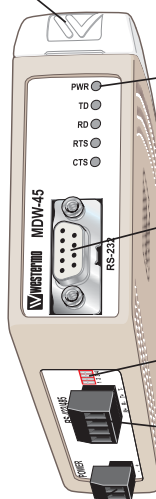
Application



Also see application on page 43

Interface

DIP-switches
Accessible under lid



LED indicators

RS-232
Up to 115.2 kbit/s

DIP-switches

RS-422/485
Up to 115.2 kbit/s

Power

	MDW-45 LV	MDW-45 HV
Operating voltage	9.6 – 57.6 VDC	85.5 – 264 VAC 88 – 300 VDC
Rated current	95 mA @ 12 VDC 35 mA @ 48 VDC	21 mA @ 95 VAC 10 mA @ 110 VDC
Rated frequency	DC	48 – 62 Hz / DC
Connection	Detachable screw terminal	Detachable screw terminal