IDW-90
ISDN-adapter

∷ Connection to analogue telephone modems
∷ DTE data rate up to 230 kbit/s
∷ ISDN data rate up to 128 kbit/s (ISDN)
∷ Analogue data rate up to 33.6 kbit/s (V.34)
∷ ISDN leased line support
∷ Generic I/O inputs and Relay output
∷ DTR/TX and I/O event trigged dialling
∷ Secure connection and dial-back
∷ Remote configuration
∷ Configuration by DIP-switches
∷ Event trigged SMS-message transmission.
∷ Industrial and railway level of protection
∷ Polarity independent AC-/DC-supply
∷ Galvanic isolation
  (Power supply- ISDN – I/O – Serial interfaces)
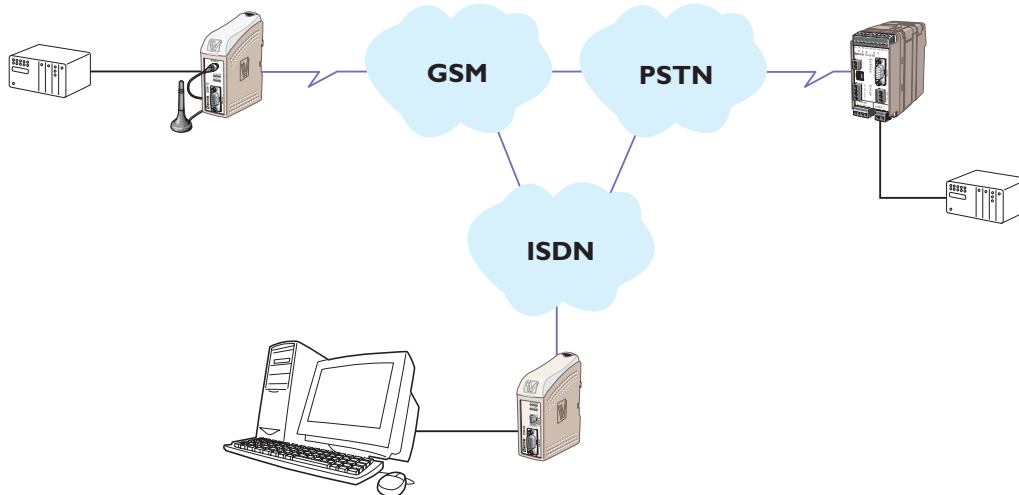∷ Built in watchdog

Field of application

The Westermo IDW-90 industrial ISDN Terminal adapter has been developed with high speed industrial data communications inmind. IDW-90 supports both an RS-232 and RS-422/485 interfaces. The IDW-90 has been designed to meet the European ISDN standard DSS1.-All standard ISDN transport protocols are supported including HDLC transparent, V.110 asynchronous, X75, PPP and ML-PPP.

The unit has one digital opto-coupled input that can be used to trigger services. The IDW-90 has also a relay output with NO-NC contact. The relay output can be controlled from a remote Westermo modem (PSTN, GSM and ISDN).
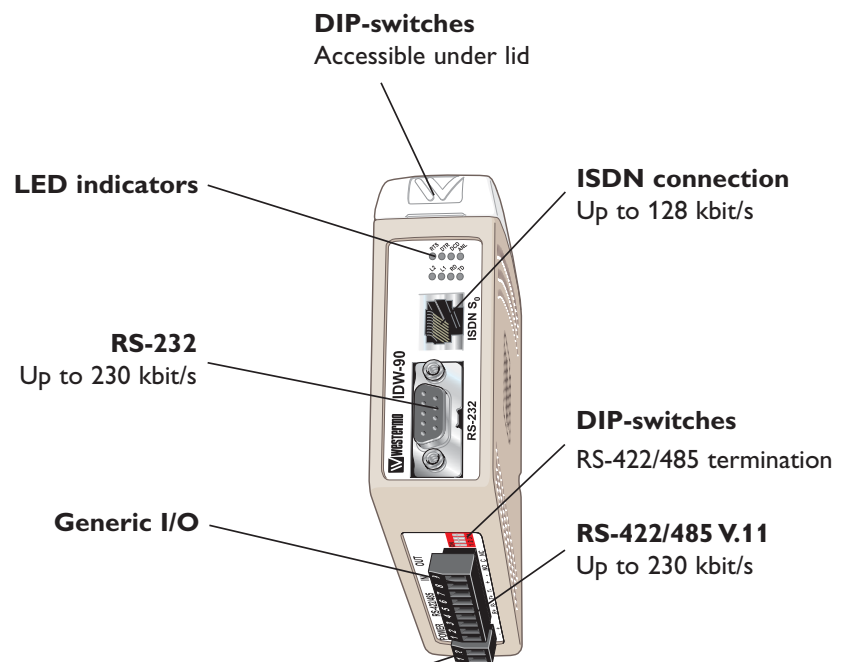
The IDW-90 features configuration with DIP-switch, AT-commands, and a Configurator for local as well as remote configuration. A supporting Windows based configuration tool is also available.

The IDW-90 is also has an internal analogue V34 modem enabling connections from ISDN to analogue modem end locations. The combination of analogue and ISDN modem and V.110 protocol support makes the IDW 90 especially suited for mixed environments there an ISDN connected modem shall be reached from ISDN, analogue and GSM networks.

Application

Interfaces

DIP-switches
Accessible under lid

LED indicators

ISDN connection
Up to 128 kbit/s

RS-232
Up to 230 kbit/s

DIP-switches
RS-422/485 termination

Generic I/O

RS-422/485 V.11
Up to 230 kbit/s

Power

	IDW-90 LV
Operating voltage	10 – 42 VAC / 10 – 60 VDC
Rated current	120 mA @ 12 VDC
Rated frequency	48 – 62 Hz / DC
Connection	Detachable 2-pos. screw terminal