

Industrial PSTN and Leased Line Modem

TD-36

- **Ⅲ** Simple low cost legacy remote access solution
 - Traditional AT command modem with 2-wire lease line support
 - Up to 11 bit RS-232 to 115.2 kbit/s
 - V34 with fast connect, V32bis, V22bis, V23HDX support
- Robust industrial solution for long service life in unmanned locations
 - Extended temperature -25°C to 70°C (-13°F to 158°F)
 - Extensive EMC approvals and tri-galvanic isolated interfaces
 - Watchdog and remote configuration
- **■** Secure non internet based remote access
 - Secure call back and access
 - · Caller ID presentation and answering
 - · Password protected configuration
- **Ⅲ** Easy to use
 - DTR and data dialling
 - DIP switch configuration and TD-tool configuration software
 - RS-232, 9-pin D-sub and screw terminals



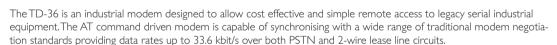




EN 50121-4

EN 61000-6-2

EN 61000-6-4

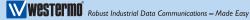


Designed with remote unmanned industrial locations in mind the modem can operate in extremes of temperature and electromagnetic field. The complete galvanic separation of all interfaces ensures earth loops and transients do not interfere with communication. To keep visits to the site to a minimum a watchdog monitors the modem ensuring constant readiness, and remote re-configuration means that changes to settings can be handled without a site visit.

Firewalls are not an issue as data does not use the internet and with call back security it is impossible for either accidental or deliberate access to any equipment attached to the modem.

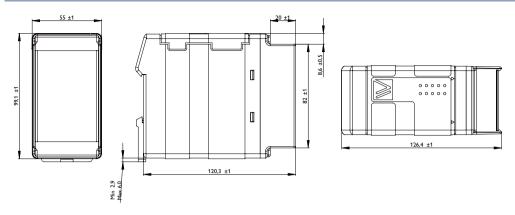
The modem is simple to configure using the WestermoTD-tool software; standard commands can easily be entered and saved configurations downloaded. RS-232 connections can be made using screw connections as well as the standard D-sub. The modem is designed to be connected to devices with no ability to control dialling so special functions like data dialling and DTR dialling are provided to enable these devices to automatically establish connection.

Ordering Information	
Art.no	Description
3618-0101	TD-36, AV, RS-232
3618-0110	TD-36, LV, RS-232
3125-0001	PS-30, Power supply, DIN mounted (Accessories)



Specifications TD-36

Dimensional drawing



Dimension W x H x D $55 \times 100 \times 132 \text{ mm} (2.16 \times 3.93 \times 5.19 \text{ in})$

Weight 0.36 kg IP 20 Degree of protection

Power	
Operating voltage	AV: 18 to 300 VDC, 22 to 264 VAC LV: 12 to 48 VDC, 12 to 27 VAC
Rated current	AV: 125 mA @ 18 VDC, 15 mA @ 110 VDC, 8 mA @ 250 VDC, 120 mA @ 22 VAC, 35 mA @ 95 VAC, 28 mA @ 240 VAC LV: 150 mA @ 12 VDC, 70 mA @ 24 VDC, 40 mA @ 48 VDC, 150 mA @ 12 VAC, 70 mA @ 24 VAC

Interfaces	
Public Switched Telephone Network (PSTN)	1 × 300 bit/s – 33.6 kbit/s
Leased Line (LL)	1×300 bit/s $- 33.6$ kbit/s
RS-232	1 × 300 bit/s – 115.2 kbit/s

Temperature	
Operating	−25 to +70°C (−13 to +158°F)
Storage & Transport	-40 to +70°C (-40 to +158°F)

Agency approvals and standards compliance		
EMC	EN 55024, Immunity IT equipment	
	EN 55022, Emission IT equipment	
	EN 61000-6-1, Immunity residential environments	
	EN 61000-6-2, Immunity industrial environments	
	EN 61000-6-4, Emission industrial environments	
	FCC part 15 Class A	
	EN 50121-4, Railway signalling and telecommunications apparatus	
	IEC 62236-4, Railway signalling and telecommunications apparatus	
Safety	UL/IEC/EN 60950-1, IT equipment	
PSTN	CS 03 Part 1, issue 9 FCC part 68,TIA-968-A ETSITS103 021-1, ETSITS103 021-2, ETSITS103 021-3 AS/ACIF S002, AS/ACIF S006	