

WATCH-DOG FOR MODEM

WDM 318 Eng.

- Restores the operation of a modem when it becomes latched.
- Power supply: 230 V~; Installation on DIN rail



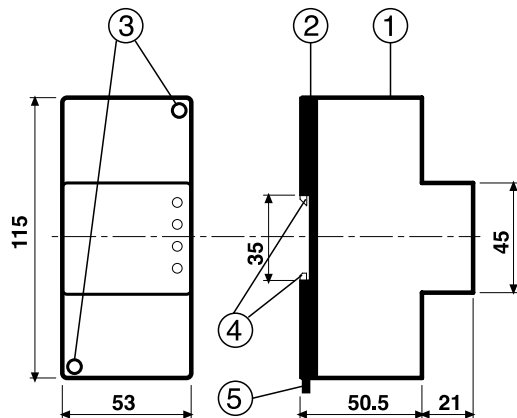
1. APPLICATION

Protection against latching of modems connected to PSTN telephone lines (not GSM).

2. OPERATION

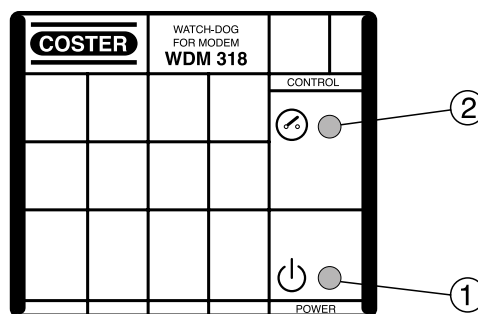
When the modem, after a programmable number of rings (see section 8), does not respond to the telephone call, the WDM 318 Watch-dog switches off power to the modem for a brief period in order to bring about the initialisation of the modem and restore its normal operation.

3. OVERALL DIMENSIONS



- 1 – Protective cover for electronic components
- 2 – Base with transformer, relay and terminal blocks
- 3 – Screws for securing base and cover
- 4 – DIN rail securing elements
- 5 – DIN rail release lever

4. FACIA



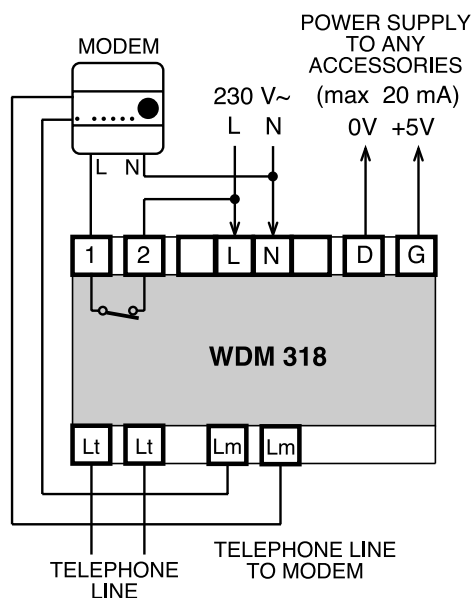
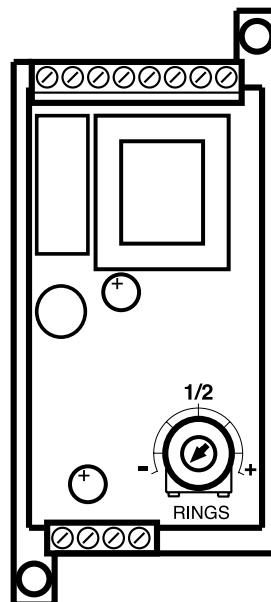
- 1 – Power LED
- 2 – Status of output switch :
 - LED off = switch closed
 - LED on = switch open

5. TECHNICAL DATA

Power supply	230 V ~ ± 10%	Construction standards	Italian Electrotech. Committee (CEI)
Frequency	50...60 Hz	Enclosure	DIN 3E module
Consumption	3 VA	installation	on DIN 35 rail
Protection	IP40	Materials :	
Radio disturbances	VDE0875/0871	base	NYLON
Vibration test	with 2g (DIN 40 046)	cover	ABS
Voltage-free output contacts:		Ambient temperature :	
maximum switched voltage	250 V ~	operating	0...45 °C
maximum switched current	5 (1) A	storage	- 25...+ 60 °C
Output power supply:		Ambient humidity	Class F DIN 40040
voltage	+5 V –	Weight	0.27 kg
current	20 mA max		

6. INSTALLATION

WDM 318 must be installed in a dry space that meets the relevant ambient conditions given under 5. above. If installed in a location classified as "Hazardous" it must be installed in an enclosure for electrical equipment constructed according to the current regulations for the class of danger involved. It can be installed on a DIN rail and housed in a standard DIN enclosure.

7. WIRING DIAGRAM**8. PROGRAMMING NUMBER OF RINGS**

- = 3 rings
 1/2 = 7 rings
 + = more than 9 rings
 (approximate values)

9. ELECTRICAL CONNECTIONS

Proceed as follows :

- Separate base from cover after loosening the securing screws.
- Mount the base on the DIN rail and check that it is firmly anchored by the securing elements (3.4)
- Carry out the wiring according to the diagram and in compliance with current electrical regulations, using:
 - 1.5 mm² cables for power supply,
 - 1 mm² cables for powering any accessories,
 - telephone cable for the telephone line.
- Apply power (230 V~) and check its presence across terminals L and N.
- Remove power, replace cover on base/terminal block and secure it with the two screws supplied (3.3)

You are advised not to insert more than two cables (unless telephone cables) in a single terminal and, if necessary, to use an external junction box.

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