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ATEX Group I – M2 explosion-proof analogue telephone, shock-proof IK10 with auto fault-detection & audio test model TEL501T

MINERCOM-Ex®



EU-Type Examination Certificate IMQ 17 ATEX 004X
I M2 - Ex eb ib mb I Mb – IP66
-20°C ≤ Ta ≤ +50°C

IP protection index: IP66
Shock-Resistance: IK10
Working temperature: -20°C +40°C
Body, handset, cord: INOX stainless-steel
Keypad: single INOX stainless-steel buttons
Color: steel, not painted (painting on demand)
Mounting: on wall
Wiring: screw terminals Ø0,9mm
Dimensions: 255 x 300 x 110mm
Weight: 5,5 kg
Cables inlets: 1 cablegland for cable Ø5÷8mm + 1 plug

OPTIONS

TEL501M0: Hot-Line without keypad
TEL501M4: 4 Emergency buttons
VoIP adapter 12Vcc: available in separate Ex box

Explosion-proof **ATEX Group I M2** (Mining) industrial wall mounting analogue telephone, with shock-proof IK10 entirely made of stainless stainless-steel, with single stainless-steel buttons extended keypad, model **TEL501T**

Electrical characteristics:

Powered by telephone line:	12÷60 Vdc
Ringing voltage:	25÷100 V _{EFF}
Dialling:	DTMF
Electronic Bell:	up to 95dB@1m, adjustable
Hook:	magnetic, high protection
Programmable:	100% programmable remotely by DTMF
MTBF:	> 180.000 hors
MTRR:	3 minutes

Extended Keypad:

- 15 keys keypad, with single stainless-steel buttons, with double function activated by the button Fn:
- 12 buttons (*, #, 0,1...9)
 - R (flash), RP (last number redial)
 - Pre-memorized call buttons (M1÷M8)
 - Volume adjustment V+, V-
 - Hook key
 - Paging button (where the function is accepted by the PABX)
 - Red LED indicating "on line" status
 - Blue LED indicating fault conditions
 - Noise cancelling circuit

Optional functions:

- AFD Automatic Fault Detection, including local Audio Test
- Remote Interrogation, compatible with Remote Interrogation software TelDia®

Automatic Fault-detection

The TLA501T is equipped with a smart telephone card controlled by a microprocessor. The telephone is automatically testing all the main vital parameters, including the periodical audio test of microphone and earpiece. The state of service is indicated by the flashing blue LED. The status of the telephone can be kept under control through the Interrogation Software TelDia®.

Automatic hang-up & other SMART functions

The telephone is 100% programmable by DTMF. Many smart functions are available, such as a time-out of conversation (1 to 99 minutes), automatic hang-up when the handset is abandoned in wrong position, authorization password, dedicated button for paging through Public Address and many others.

