

ATEX Group I – M2 explosion-proof analogue telephone, shock-proof IK20 with auto fault-detection & audio test model TELH501T

MINERCOM-Ex®



EU-Type Examination Certificate IMQ 17 ATEX 004X

I M2 - Ex eb ib mb I Mb – IP66
 $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$

IP protection index:IP66
 Shock-Resistance: IK20
 Working temperature: $-20^{\circ}\text{C} +40^{\circ}\text{C}$
 Body: INOX stainless-steel
 Handset: INOX stainless-steel
 Handset's cord: INOX stainless-steel
 Keypad: single INOX stainless-steel buttons
 Color: steel, not painted (painting on demand)
 Mounting: on wall
 Wiring: screw terminals $\varnothing 0,9\text{mm}$
 Dimensions: 255 x 300 x 110mm
 Weight: 3,6 kg
 Cables inlets: 2 holes $\varnothing 20\text{mm}$, cables $\varnothing 5\div 8\text{mm}$
 Cableglands: 1 cablegland + 1 plug included

OPTIONS

TELH501M0: Hot-Line without keypad
 TELH501M4: 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 IK20 entirely made of stainless stainless-steel, with single stainless-steel buttons extended keypad, model TELH501T

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% programmabile remotely by DTMF
MTBF:	> 180.000 hors
MTTR:	3 minutes

Extended Keypad:

15 keys keypad, with single aluminum 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 TLAH501T 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.

