

TP-4001



TIME & ATTENDANCE TERMINAL



TIME RECORDERS, TIME CONTROL AND TIME MEASUREMENT

TP-4001

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TERMINAL SPECIALLY DESIGNED FOR DATA CAPTURE AND SUBSEQUENT RESOLUTION FOR ATTENDANCE AND ACCESS CONTROL. ATTENDANCE, INCIDENCES, EXTRA TIME, ABSENTEEISM, DELAYS, ETC. ARE BASIC DATA FOR EFFECTIVE MANAGEMENT. IT'S PERFECT TO CONTROL ONE WORK BREAK OF THE PERSONNEL. SECURITY BECOMES ESSENTIAL AND BASIC IN ANY PLACE WHERE PEOPLE SHARE INFORMATION AND KNOWLEDGE WITH OTHERS (OFFICES, INDUSTRIES, PUBLIC AND PRIVATE ENCLOSURES, BUILDINGS, ETC.). DATA COLLECTION AND ITS SUBSEQUENT MANAGEMENT ALLOWS FOR TRUSTWORTHY INFORMATION ON ALL PERSONNEL MOVEMENT.

TECHNICAL CHARACTERISTICS:

- ☐ 16-bit microcontroller.
- ☐ 4 Kbyte of internal RAM to microcontroller.
- ☐ 56 Kbytes of internal program ROM.
- ☐ 1024 Kbytes of FLASH data memory.
- ☐ Watchdog.
- ☐ 2 UARTS for communication with other peripheral units with RS232/RS485 outputs.
- ☐ Alphanumeric LCD display: 2 x 16 with backlighting and 4 mm. digits.
- ☐ Perpetual maintenance of stored data.
- ☐ ONE incidence control via the keyboard of the terminal and up to 99 via incidence's cards.
- ☐ Automatic daylight savings changes.
- ☐ 2 relays capable of activating features such as gates, doors, stiles, etc. and equipped with direction distinction function called "Anti-passback". ON/OFF activation from PC) as well as bells and sirens.
- ☐ Acoustic warning buzzer.
- ☐ Two inputs for magnetic card strip readers
- ☐ External battery charger (does not include battery).
- ☐ Storage of approximately 23,000 punch registries for 9000 different card codes.
- ☐ Terminal functions can be configured from PC.
- ☐ Possibility of selecting authorized or unauthorized cards as well as in which terminal or terminals they can be operational.
- ☐ On-Line or Off-Line operation according to user's desire.
- ☐ Possibility of having display show the name of the employee punching in (maximum 9000 names).
- ☐ Possibility of sending individualized or card group messages (warning or informative) to the punch terminal, with up to 1000 different messages possible.

- ☐ Communication with PC via RS-232 interface (up to 50 m. and one Terminal) RS-485 (up to 1200 m. and 32 Terminals on line) or Ethernet TCP/IP 10/100 Mbps.
- ☐ Possibility of generating files in ASCII for links with other programs.
- ☐ Possibility of communicating via modem (Analog / GSM).

Specifications

- ☐ Power: 220 v. ±15%.
- ☐ Energy consumption: 3 w.
- ☐ Dimensions: 202 x 108 x 55 mm.
- ☐ Weight: 2.2 Kg.
- ☐ Output relay contact capacity 10^a/250v.
- ☐ Operating temperature: +5°C to +55°C.
- ☐ Steel casing.
- ☐ Humidity tolerance: from 5% to 90% (no condensation)

Options

- ☐ Terminal with magnetic strip reader: ISO regulation, track 2.
- ☐ Terminal with bar code reader: code 39.
- ☐ Terminal with proximity reader: 125 Khz, 64 bits, Manchester codification, ISO cards. Maximum range between 8-9 cm.
- ☐ Power source (to continue operating for 4 hours without electrical power).
- ☐ Converter (RS-485 > RS-232)
- ☐ External 56K V.90 modem.
- ☐ GSM modem.
- ☐ Network connection ETHERNET TCP/IP 10/100 Mbps.



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www.phuc.es

[e-mail: pablohuc@phuc.es](mailto:pablohuc@phuc.es)