

TP-9000i



**Biometric Fingerprint Terminal
for
ACCESS CONTROL**



TIME RECORDERS, TIME CONTROL AND TIME MEASUREMENT

TP-9000i

Biometric Fingerprint Terminal for ACCESS CONTROL

BIOMETRIC ACCESS TERMINAL (REGISTRATION VIA DIGITAL FINGERPRINT READING). DESIGNED PRINCIPALLY AS A SECURITY TERMINAL IN ORDER TO AVOID INTRUSIONS OF UNAUTHORIZED PERSONES. DATA CAPTURE AND SUBSEQUENT HANDLING ALLOWS FOR THE OBTENTION OF RELIABLE AND PRECISE INFORMATION CONCERNING THE PERSONNEL'S MOVEMENTS. ITS SOLID STATE CONSTRUCTION AND MODERN DESIGN ALLOWS FOR ITS USE BOTH IN OFFICE ENVIRONMENTS AND IN LESS FAVORABLE INDUSTRIAL LOCATIONS.

TECHNICAL CHARACTERISTICS:

- ▣ 16-bit microcontroller.
- ▣ 4 Kbyte of internal RAM to microcontroller.
- ▣ 56 Kbytes of internal program ROM.
- ▣ 1.024 Kbytes of FLASH data memory.
- ▣ Watchdog.
- ▣ 2 UARTS for communication with other peripheral units with RS232/RS485 outputs.
- ▣ Perpetual maintenance of stored data.
- ▣ 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.
- ▣ Fingerprint reader with capacity for 3000 fingerprints (1500 users with 2 fingerprints per user).
- ▣ Optic sensor for recognizing fingerprints.
- ▣ Identification punches, without needing a card. Simply position fingertips over sensor.
- ▣ Response velocity: under 2 seconds (with 3000 fingerprints)
- ▣ Storage of up to 23,000 punch registries for 9000 different
- ▣ On-Line or Off-Line operation according to user's desire.
- ▣ 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).

Notices: This Terminal needs a Terminal TP-9017i to enrol the fingerprints of the personnel.

Specifications

- ▣ Power: 230 v. $\pm 10\%$.
- ▣ Energy consumption: 6 w. (TP9000iR - 7 W).
- ▣ Dimensions: 116 x 62 x 48 mm.
- ▣ Weight: 0,6 Kg.
- ▣ Steel casing.
- ▣ Output relay contact capacity 10^a/250v.
- ▣ Operating temperature: +5°C to +55°C.
- ▣ Humidity tolerance: from 5% to 90% (no condensation)

Options

- ▣ Converter (RS-485 > RS-232)
- ▣ External 56K V.90 modem.
- ▣ GSM modem.
- ▣ Network connection ETHERNET TCP/IP 10/100 Mbps.



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