

EnTRAX Data Collection Terminals

Description

Hardware Performances:

- Twelve key numerical backlit keypad allows barcode and PIN when turned on.
- The on-board clock and the sixteen kilobyte memory allows the terminal to memorize tables (valid badges or black lists), and allow it to record transactions (date, time, badge ID, direction and reason) and maintain an events history file.
- The internal battery can power the terminal for several hours in the event of a power failure.

Operation Performances:

- The transaction can require a PIN only, a badge ID only, or both.
- Off-line autonomous operation: either there is no connection to a PC, or the PC is connected only periodically to download transaction records and update tables.
- On-line functioning connected to a PC with the appropriate software installed: the terminal transmits the employee badge ID to the host via the RS485 or RS232 port. It will go automatically into off-line mode if the host does not respond to messages within a user-defined interval.
- Moves back and forth between on-line and off-line modes while maintaining console functionality and background communications transparency.
- Time zones control configurable for each day of the week. Every employee badge ID can be associated to eight different time zones. Each time zone is an interval which is associated with any mix of days of the week and with generic holidays. Up to forty holidays can be defined in a separate file.



- Can be configured for common code validation (to be valid a badge must have a particular badge ID in a particular position).
- The PIN validation can be restricted to certain time zones. This allows increased security outside of office work hours and during weekends and holidays.
- Cards can be validated or invalidated by means of downloading to the clock from the host computer, followed by a badge lookup.



- The terminal can be configured to switch itself off after a user definable number of minutes of inactivity. Operations are resumed by pressing the <ENTER> key. In this way its autonomy can be extended to several days.
- A one or two character reason codes can be associated with each transaction.
- In attendance recording applications the Entry or Exit status of the transaction is either determined by the direction of the badge swipe. The displayed directional status can be inverted by pressing a specific key.

Please contact your dealer:

TimeTrak Systems Inc.
 933 Pine Grove Avenue
 Port Huron, MI 48060
 Phone: (810) 984-1313

TERMINALS

Optional:

- The optional IRDA port allows you to upload and download data using a PocketPC with the appropriate software.
- Second reader option can be requested where IRDA is not used.
- Optional external anti-tamper switch.

Technical Information

- Keypad: membrane type, dust and splash proof; twelve keys, backlit on aluminum version only.
- Display: high visibility LED, eight alphanumeric characters with horizontal scrolling.
- Internal readers:
 - Aluminum version - track 2 ISO magnetic, I.R. rcode (C39,I2/5) or proximity 125 KHz, EM 4102 comp.
 - Plastic version - 125 KHz EM 4102 comp., ISO14443A/B + ISO15693, HID 125 KHz.
- Beeper: magnetic, 2 tones, software driven.
- Communication port: RS485 version with NET 92 protocol. RS232 version with standard ASCII transmission.
- IrDa interface (Infrared): option, for uploading and downloading of files from PocketPC.
- Input / Output ports:
 - Input: two sensors for the on/off line.
 - Output: one with relay normally open 2A @ 30 Vdc.
- Memory: 16KB EEPROM, 32KB EPROM.
- Power supply: 9 to 15 Vdc, 100mA max.
- Backup battery: ensures up to four hours of continuous functioning. Can vary with versions.
- Working temperature: -20 C to +50 C (0 F to +120 F) - IP65.
- Humidity: 0 to 95% non-condensing (barcode version).
- Casing: anodized aluminum. IP65 (except for barcode version). Abs for plastic version.
- Dimensions:
 - aluminum - 87x130x32 mm (W x H x D)
 - plastic - 102x149x33 mm (outline).
- Weight:
 - aluminum - 12 oz.
 - plastic - 8 oz.

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