

TT-Clock Time Clock



TIME AND ATTENDANCE SOLUTION

Overview

The *TT-Clock* is a state-of-the-art electronic time recording unit. Your employees merely pass their personal ID badge through the *TT-Clock's* bar code badge reader or use one of the other available ID technologies, to record their individual arrival and departure times. The ID numbers which are read from the badge or FOB and the time stamp values are stored in the *TT-Clock's* internal memory. At convenient intervals, simple commands entered on your PC's keyboard will cause the *TT-Clock* to be polled and the stored "punches" to be transferred into file on your WIN PC. The transactions thus collected are then error checked, reconciled and stored in the employee database file maintained by the Time and Attendance (TAW32) software. The *TT-Clock* also operates independent of your PC and serves as a stand-alone time clock, or it can be configured for more sophisticated data collection applications such as labor distribution, job cost allocation, work order tracking, etc. This additional data collected with the *TT-Clock* can be separated and processed once it is uploaded into your computer.

Features

- Lithium battery backup for memory.
- No key-entry required for clocking in or out.
- LC display presents entered data, current date and time values as well as user defined prompts.
- Numeric keypad plus eight function keys.
- Audible beeper for good read.
- 3000+ "punch" memory capacity, expandable to 12,000+.
- Bi-directional RS-232 communication with the host PC for *TT-CLOCK* programming and uploading (RS-422 for multiple units).
- Optional access control relay output.
- Optional bar code wand or laser scanner.
- Durable structural ABS enclosure.
- Optional scheduled alarm output.

System Advantages

With bar coded badges which you can create in-house w/laser printer and a laminator, your employees will appreciate the simplicity of swiping their badge through the *TT-Clock* badge reader. Code 39 symbology is typically used for the bar coded employee ID number and can include a checksum for greater error protection. The standard *TT-Clock* badge reader is a visible light reader (infrared is optional).

TT-Clock Features

Other available ID technologies

Alternate models of the TT-Clock are available with optional ID reading technologies such as the infrared badge reader for bar codes with a security block, magnetic stripe card reader for TRK 2 Magcards, the RFID reader for proximity cards and key-FOBs, and the touch key reader for touch key FOBs and cards. Any of these readers can be configured for remote mounting to use for exterior door access control operation.

PC Software...

The Time & Attendance software (TAW32) available for use with the TT-Clock is a Windows 9x-2K program written in Microsoft Visual FoxPro. TAW32 provides the user with the tools to manage the collection, processing and reporting of the attendance data collected by one or more TT-Clock's. Upon the click of your mouse, TAW32 will poll the TT-Clock and retrieve the accumulated "punch" data. The collected data is sorted by employee number and checked for errors and/or anomalies that then can be corrected by the operator. For any time period, reports can be produced to detail or summarize the attendance of one or all the employees in any department. Department codes and/or work order numbers can also be collected and used to sort the attendance data in more detail.

Display

Two line by 24 column LC display, with full alphanumeric character set. The display is used to present prompt messages to direct the employee as to the data entry sequence, as well as to present the current time-of-day and the value of each entered data variable as it is typed or scanned. The display will show "BUSY" during the time interval that the clock is being "polled" by the computer.

Keyboard

Hermetically sealed 24 key membrane keyboard with a polycarbonate graphic overlay. Eight re-legendable function keys (F1 thru F8). Audible key-click feedback. The keypad is used for entry of non-bar-coded data such as employee ID numbers when their badge is not available; for entry of the department code, and for entry of other production related data which can be collected by the TT-CLOCK and loaded to the PC but not processed by the standard T&A program.

Options

Display Backlight Option

The LC display of the TT-Clock can be equipped with an optional electro-luminescent backlight that will make the display more readable in low ambient light situations. This option can negatively impact the display readability in high ambient light conditions.

Alarm Relay Output Option

This option equips the TT-Clock with an internally controlled relay output to be used to drive an audible annunciator according to a periodic 24-hour schedule of up to 24 user specified alarm events. The relay has a single "form A" contact rated at 10va (100vdc, 100ma.) maximum. If a larger load must be controlled, an external relay is required.

Door Control Relay Output Option

This option equips the TT-Clock with an internally controlled relay output that is used to actuate a door release solenoid or similar access control mechanism. The relay has a single "form A" contact rated at 10va (100vdc, 100ma.) maximum. If a larger load

must be controlled, an external relay is required.

Remote Mullion-mount Reader

The TT-Clock can optionally support a remote badge reader which may be required for exterior door access control situations where to clock is mounted inside the door and the remote reader is connected to the clock by a short cable and mounted outside the door.

Accessories



1. CCD-81T Handheld CCD Scanner
2. SL1003 Barcode Slot (ID Badge) Reader
3. MR211 Magnetic Stripe
4. Bar Code Wand Holder
5. SSW-40 (Barcode Wand Scanner)
6. WA3800 Barcode Image Scanner
7. QS6000 Handheld Laser Barcode Scanner

Specifications

Construction

Structural foamed ABS enclosure with aluminum front panel, back panel and mounting bracket.

Dimensions (width x height x depth) (cm)

Desktop: 17.5 x 15.5 x 4.3

Wall-Mount: 22 x 22.5 x 9.2

NEMA Rated: 22.5 x 29.2 x 11.2

Weights (kg / lbs.)

Desktop - 1.14/2.5

Wall-mount - 1.82/4

Power Adapter - .226/.5

Operating Environment

Temperature: 0° to 60° C (32 to 140°F)

Humidity: 5% to 95% non-condensing

Storage Environment

Temperature: -20° to 70° C (-4° to 158°F)

Humidity: 5% to 95%

Power Consumption

Standard TT-Clock: 130ma.

With Backlight Display: +35ma.

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