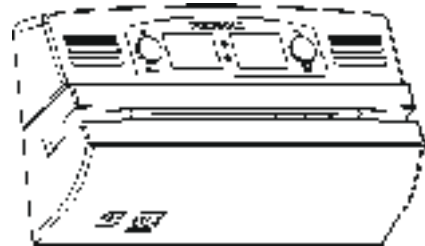


TR510 Express Time Recorder



Simple to setup and operate, this Time and Attendance Terminal provides all the basic Time Recorder functionality in an attractive and cost-efficient package.

The TR510 is extremely easy to use. The User only needs to push the appropriate button (IN or OUT) and read his/her ID-card to register. A new database record is created every time an ID-card is read. Each record contains the date and time of its creation, the ID-code of the User card that was used, and the related event (IN or OUT). All records are kept in the TR510's highly reliable internal database memory that is not dependent on any kind of external power.

The accumulated data is uploaded into the PC using the *TR510 Control Center* for Windows software. This software is also used to setup the TR510's functioning parameters (Settings) and comes free with every TR510.

Extremely versatile, the TR510 Terminal can be used as either a wall-mount or as a desktop device. An excellent viewing angle is provided in both orientations by rotating the unit 180 degrees.

Ordering information:

- TR510M Magnetic Card Reader version
- TR510R RFID Card Reader version
- TR510B Barcode Card Reader version (visible red)
- TR510F Barcode Card Reader version (infrared)

Accessories:

- CON485 Smart RS232àRS485 converter*
- *Required when using the RS485 interface of the TR510

Features:

- Two buttons for clocking IN and OUT
- Bright, high-contrast LED display shows time of day, last four digits of the User Card s ID-code, and numerous error messages
- Built-in Magnetic Card, RFID, or Barcode reader
- Approximately 8200 records storage capacity, advanced memory protection and recovery mechanism for increased reliability
- Dual RS232 and RS485 interface for single- or multi-terminal communications
- Convenient Machine Number setup feature using IN and OUT buttons simplifies multi-terminal installation process
- Built-in ring relay for external ring (bell) control. Daily bell schedule of up to 32 different entries
- Wall-mount (default) or desktop operation with excellent viewing angle in both positions
- Firmware Management Mode (FMM) for easy internal firmware upgrades
- Built-in self-test for quick hardware check-ups
- Several exterior finishes available (contact Giga-TMS for details)
- *TR510 Control Center* software included with every Terminal

Specifications:

Display: °	4 x 7-segment LED °	Bell table: °	Up to 32 entries °
Magnetic Card Reader: °	ISO Track 2, 75 BPI °	Bell relay: °	Max 1A, 12V °
RFID Card Reader: °	125KHz, ASK, 64 bits, Manchester °	Mounting: °	Wall-mount or ° desktop °
RFID Reading Distance:	8 cm min °	Power supply: °	DC 9V, 500mA °
Barcode Card Reader: °	Visible or IR, Code39 (numerical) °	Operating Temperature: °	0-55° C
Database capacity: °	App. 8200 records °	Operating Rel. Humidity: °	10-90% °
Interface: °	Dual RS232 + RS485 °	Dimensions: °	170(L) x 99(W) x 48(H) mm