# **Express Time Recorder**

#### Introduction:

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

### Features:

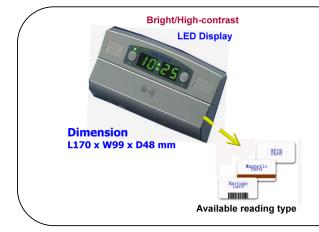
- ☆ Built-in self-test for quick hardware check-ups
- ☆ Wall-mount or desktop operation
- ☆ Built-in ring relay for external ring (bell) control
- Daily bell schedule of up to 32 different entries
- Bright, high-contrast LED display
- Built-in Magnetic Card, RFID, Mifare or Barcode reader
- Approximately 8200 records storage capacity
- 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
- Firmware management Mode (FMM) for easy internal firmware upgrades

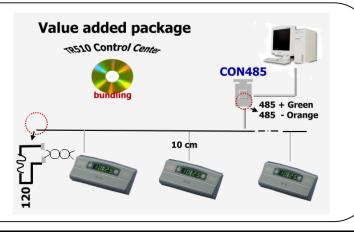
## Specifications:

Display	4 x 7-segment LED
Card Type	Magnetic Card Reader: ISO TK 2
	RFID Card Reader: 125KHz, ASK
	Barcode Card Reader: Code 39
	Mifare: ISO 14443A
Database Capacity	Approximately 8200 records
Interface	Dual RS232 + RS485
Bell table	Up to 32 entries
Bell relay	Max 1A, 12V
Mounting	Wall-mount or desktop
Power Supply	DC 9V, 500mA
Operating Temperature	0 ~ 55° C
Operating Rel. Humidity	10 ~ 90%
Dimensions	170 (L) x 99 (W) x 48 (D) mm

## **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)
- TR510R-MF Mifare Card version
- \* Specification is subject to change without notice.





We welcome OEM inquiries

- ♦ Custom design manufacturing is available
- ♦ Custom device programming is available
- ♦ Call factory for other configuration



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