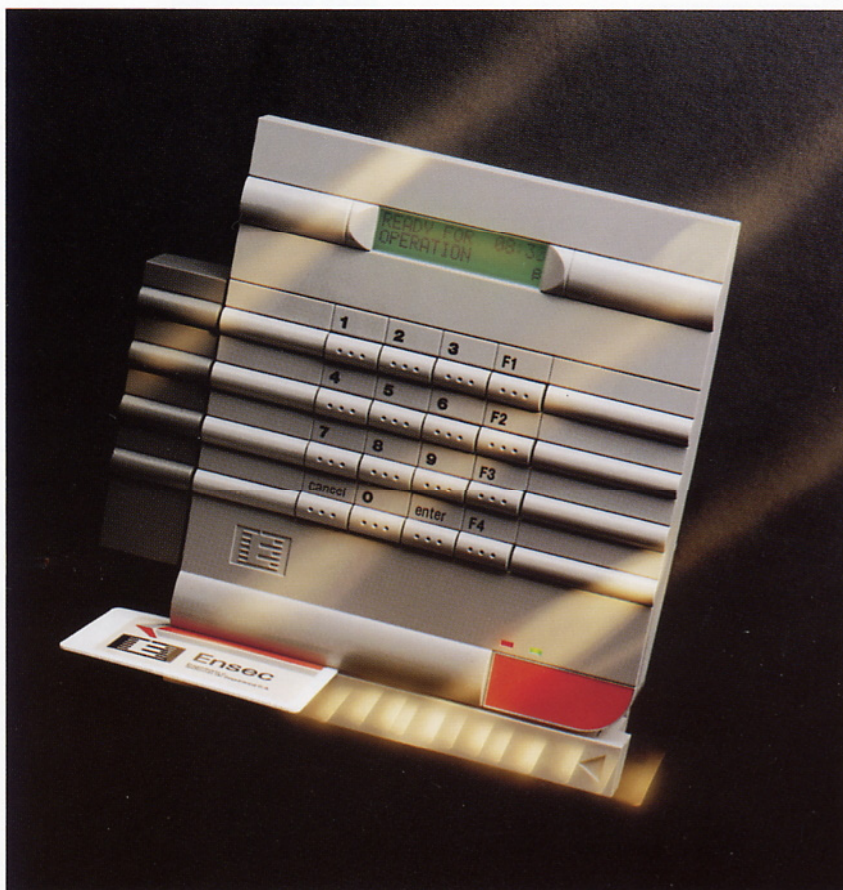


# Ensec DC500

## MULTI-PURPOSE DATA COLLECTOR

- Open Architecture
- Access Control
- Time and Attendance
- Resident Database
- Modem Line Dial-up
- Local Messaging
- Multiple Data Collection Applications

The ENSEC DC500 is an intelligent data collector capable of operating either as a stand-alone unit or in a network environment. The DC500 is capable of direct integration into custom applications. A configuration can be downloaded and data can be uploaded via RS232, RS485, or internal modem.



Each DC500 controls two reader heads (one integrated and one external) using any of four different reader technologies: magstripe, bar code, Weigand and proximity. A 32-character backlit LCD displays user-defined messages and a 16-button keypad allows data entry.

The ENSEC DC500 can collect, time-stamp and store up to 20,000 transactions in a 128KB resident database. An optional built-in UPS supports up to 20 hours of operation. To protect stored data and system configuration, a lithium cell battery provides one full year of memory backup.

In addition, each DC500 supports *access control* on a single door for up to 4,000 badge holders and 7,000 transactions (with badge ID, 9-digit employee ID and 4-digit PIN) or 10,000 transactions (with only employee ID). There are five built-in digital inputs and five digital outputs for access control. Firmware on a 48KB EPROM allows 32 user-programmable time zones and 1 access area. To configure your system, you can use your own software or use **System Control And Program Executive (SCAPE)** for easy menu-driven programming.

The ENSEC DC500 multi-purpose data collector is the intelligent solution.



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## SYSTEM CAPACITIES

- 31 Ensec DC500s per direct (RS485) communication line
- 20,000 stored transactions and 7,000 badge database per each DC500 used for data collection applications
- 7,000 stored transactions and 4,000 badge database per each DC500 used for access control applications
- 32 programmable time zones
- 1 access area per terminal

## CENTRAL PROCESSING UNIT

- Z180 microprocessor

## MEMORY

- 1 year memory protection with a lithium cell battery
- 48KB EPROM
- 128KB RAM (32KB modules)

## CALENDAR/CLOCK

- Real-time clock stamps each transaction

## DISPLAY

- 32-character back-lit LCD
- User-definable messages
- Current date/time
- Operation mode indicators

## KEYPAD

- 10-number keypad for entering data
- 4 function keys
- Cancel and Enter keys

## MULTIPLE READER TECHNOLOGIES

- Magstripe: Track 2, regular and high coercivity encoding
- Bar code: Visible red or infrared, 3 of 9, 2 of 5, interleaved and others
- Wiegand
- Proximity: Wiegand-compatible output

## READ VERIFICATION

- Green/red LEDs and single/double tones indicate valid/invalid transaction

## CONNECTIVITY

- 1 RS485 interface for communication distances up to 4,000 feet (1.2 km)
- 1 RS232 interface auxiliary port
- Baud rate up to 38,400 bps
- 5 digital inputs for access control and related alarm monitoring, with programmable alarm shunt for door unlock time
- 5 digital outputs for controlling devices: 3 relays (8 Amp, 250V max AC) and 2 open collectors (500 mA, 50V DC max)

## OPTIONAL FEATURES

- Built-in modem supports dial-up communication
- Full-range power supply (90V - 250V) with incorporated recharger for 12V 2.2Ah battery\*
- Optional built-in heater for -40° mounting
- SCAPE (SYSTEM CONTROL AND PROGRAM EXECUTIVE) menu-driven programming

## HOUSING

- Heavy-duty ABS plastic
- Wall, pedestal and table mounting
- Integrated badge-reader slot
- Built-in connector for second external reader head
- Weatherized housing

## SPECIFICATIONS

**Size/Weight (full configuration: CPU, power supply, UPS, connecting module)...**

- 7.6" W x 7.8" H x 5.9" D (195mm W x 200mm H x 150mm D)
- 7 lbs. (3.2 Kg) with batteries

### Operating Environment...

- 32° F (0° C) to 104° F (40° C)
- -40° F (-40° C) to 104° F (40° C) with heater unit
- 0% to 99% humidity (non-condensing)

### Storage Environment...

- 32° F (0° C) to 104° F (50° C)
- 0% to 99% humidity (non-condensing)

### Electrical...

- 90V - 250V AC, 60Hz, 10 Watt maximum with built-in power supply

## SAFETY STANDARDS

- FCC Part 15, Class A
- UL (pending)

## MANUALS

- Each Ensec DC500 MULTI-PURPOSE DATA COLLECTOR comes with complete hardware installation instructions and operation instructions

