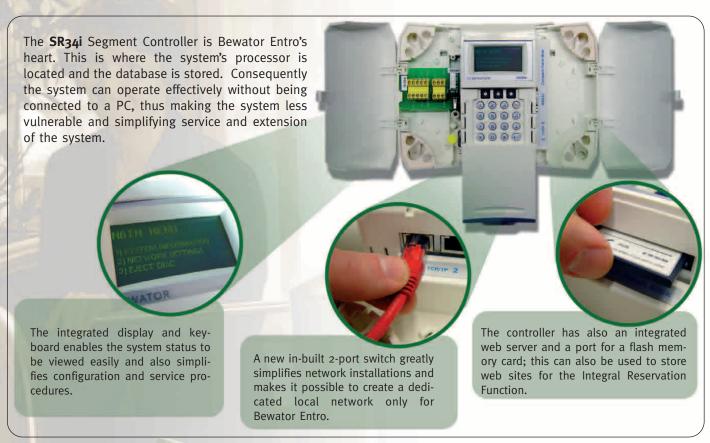# Bewator Entro: reliable and advanced technology

In house developed avant-garde technologies have always been Bewator's motto. Bewator Entro version 5 is the result of almost a decade of such development. The system you see today is based upon the same fundamental idea as when it was launched in 1997, but the hardware and software have been continuously improved in order to always be one step ahead of today's demanding market.

The **SR34i** Segment Controller is Bewator Entro's heart. This is where the system's processor is located and the database is stored. Consequently the system can operate effectively without being connected to a PC, thus making the system less vulnerable and simplifying service and extension of the system.

The integrated display and keyboard enables the system status to be viewed easily and also simplifies configuration and service procedures.

A new in-built 2-port switch greatly simplifies network installations and makes it possible to create a dedicated local network only for Bewator Entro.

The controller has also an integrated web server and a port for a flash memory card; this can also be used to store web sites for the Integral Reservation Function.

The **DC-12** Door Controller can control one door, be it one Reader in, or two in and out Readers for systems requiring anti-pass back. Besides Bewator's own Cotag® Technology Readers, any third party Wiegand or Clock & Data Reader can be connected via a standard interface.

The **DC-22** Door Controller has many additional functions compared to the DC-12. With the DC-22 it is also possible to control an external alarm system using Alarm Status Feedback (ASF). The DC-22 can control two electrical locks allowing the Night & Day locks functions. It also has two relay outputs for door warning, pre-warning and alert alarm.

Both the DC-12 and DC-22 are designed with the installer in mind, focusing on ease of installation and maintenance. Every Door Controller also has a display that indicates the Controller's status in the system. In addition all Segment and Door Controllers are of course equipped with a tamper switch.

Cards and Readers: for all needs and environments

Bewator offers the broadest range of Readers, keypads and cards on the market with the ability to satisfy most needs and environments. You are free to mix different types of Reader in any one system, as security or usage requirements for can vary for different access points.

Proximity Readers: by simply holding your card or tag in front of the reader (typical ranges 5-30cm), if it is valid, the door is then unlocked. There are several models available, for indoor and outdoor use and with or without keypad. The 'close' Proximity Reader is the preferred choice in the today's market, with benefits such as simplicity, reduced risk of manual interference and less wear and tear on the cards when compared with Magnetic Stripe Readers.

Hands-Free Readers: when used in conjunction with Bewator's patented Cotag® Active Technology, cards can read from a distance of up to 1 metre without you having to present your card - even if it happens to be in your pocket or bag. The Reader can also be installed inside a wall or behind a glass partition, making it highly resistant to interference and vandalism. This is an extremely straight forward and practical solution, and addresses many common building security issues.

Magnetic Stripe Readers: simply swipe the card through the slot in the Reader to gain Access. Models available with or without a keypad.

Keypads: On some doors it may be enough just to have a common code. You need only to enter the correct code to gain access.

PR500-AB Mullion Mount Proximity Reader: narrow enough to mount on any doorframe - up to 30cm read range.

SP500-AB Switch Plate Proximity Reader: designed for mounting on a single gang flush mounting electrical back box - up to 30cm reading range.

HD500-2-AB Heavy Duty Proximity Reader: ideal for locations vulnerable to physical attack, impact and fire resistant - up to 30cm read range.
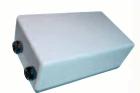
PM500-AB Panel Mount Proximity Reader: fits into 3rd party enclosures, e.g. Door Entry Phones, barriers or turn-styles - up to 28cm read range.

BC43: Card and PIN Reader. Proximity or Magnetic Stripe versions available.

HF500-Entro & BC-5511 Hands-Free Readers: Cotag® Hands-Free Technology provides up to 1m reading range - the ideal choice for high throughput access doors, disabled access, parking barriers and warehousing.

BC-5270 Loop Coupler: Using Cotag® Hands-Free Technology a simple wire loop providing up to 2 metres reading range using Active cards and tags. Ideal for healthcare systems and asset management.

Glass Readers: Cotag® Hands-Free Technology – Ideal for high profile customer facing environments where aesthetics, style and corporate customisation is required - up to 80cms reading range.

IP810 InfoPoint: Reservation Terminal for use with Entro's Integral Reservation Function

Cards and tags

Bewator offers a large range of cards and tags for secure and smooth passage. It is possible to use both Active and Passive cards and tags with almost any Reader in Bewator's range.

IB-1: Magnetic Stripe card

IB-958/M: Passive ISO card with or without magstripe, suitable for Photo ID

IB-968: Passive clamshell card

IB-961: Passive keying tag

IB-958/M: Passive ISO card with or without magstripe, suitable for Photo ID

IB-911: Active keyring tag

IB-970: Active vehicle tag