

Zeag-Orion^{XR}
Lane Entry - LE
Lane Exit - LX
Lane Section Control - LS

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Orion^{XR} - A smart and effective decision.

To maximise profits and minimise costs in professional parking environments you need the most reliable, advanced and flexible systems available. That's why Orion^{XR} is a major step forward.

Swiss made and based on the proven Orion ZMS technology, the Orion^{XR} from Zeag provides a rock solid platform for any professional parking solution. The system's enhanced modular structure grants flexibility and practicality, with user-friendly software coupled with class leading security and global support.

Zeag specialises in precision revenue-generating parking and control solutions and is one of the world's largest international manufacturers, with over 5,000 successful installations across more than 23 countries on 5 continents.

Zeag-Orion^{XR} Control Stations LE / LX / LS

Orion^{XR} Stations can function as an Entry, Exit or Section Control Station, giving a high level of flexibility working separately or as part of a Zeag network system. The ergonomic, lean-back design of the cabinet assists users in positioning their vehicles, improving reach and manageability. Tickets are magnetically coded and can be automatically issued as the vehicle approaches the unit or, alternatively, by the user pressing a ticket button or inserting a card. The station can securely verify the validity of contract parking cards. Stations are capable of handling up to 500 vehicles per hour.

Functional Design

The cabinet's improved design allows optimum use of space and has a robust and corrosion resistant housing. The LCD display ensures clear and legible view of user information even under poor lighting conditions. Assemblies are easily accessed to make service and maintenance straightforward.

UCD Write/Read Unit

Zeag has specifically designed, engineered and developed the Universal Card Handling Device (UCD) for parking applications. It guarantees fast and smooth processing of all magnetic stripe mediums, from paper ticket to any ISO coded media using a single insertion slot. Advanced thermal printing technology is used for clear text printing. The optimal design and small number of mechanical parts contribute to performance reliability and minimal maintenance requirements.

Security

Multiple copies of the coded information are stored on the magnetic stripe to maintain excellent media readability. Segmental evaluation of data blocks and error correction logic guarantee high operational security. Fraudulent media with false and/or insufficient data are detected, rejected and retained by the system. Tickets not taken by users are retrieved and retained. Transaction data is stored with power failure protection by means of a buffer battery for maximum security and data protection.

(Subject to change without notice)

User Interface

- Multilingual display for user instructions
- Flashing push button for ticket request (LE) and illuminated single slot for ticket insertion, issue and receipt
- Remote support and guidance to user via intercom

Product Features

- Magnetic stripe ticket and receipt issue
- Read after write and anti pass back control
- Retraction of alarm tickets and retention of invalid cards
- Ticket payment with credit card and discount tickets
- Parking and payment with credit cards and stored value cards
- Contract parking with ISO cards or proximity badges
- Hands free parking with long range RFID tags
- Barrier gate control
- Stand alone operation or online with management system

Hardware Description

- Stainless steel cabinet 1.4301, RAL 9006 white aluminium
- Polyurethane front panel, RAL 5013 cobalt blue
- Intercom with call button with load speaker
- High contrast LCD display (4x20 characters)
- UCD write/read unit for processing tickets, credit cards and season passes
- Peripheral computer with RS232, RS422 and TCP/IP interfaces and zero potential inputs and outputs
- Heating/ventilation with thermostat
- Ticket collector / Ticket box holder for 5,000 tickets
- Safety lock

Technical Data

- Temperature: Standard: -20°C ...+40°C (options: -30°C unroofed or roofed...+50°C roofed only)
- Power supply: 115 and 230 VAC +/-10%, 50/60 Hz
- Load: 780 VA (at -20°C)
- Weight: approx. 52 kg (incl. standard plinth)
- Width: 410 mm; Height: 1250 mm; Depth: 406 mm

Your authorised Zeag Partner