

APERTO®



A 550 L / A 800 XL

THE NEW GARAGE DOOR OPERATORS

# GARAGE DOOR OPERATORS OF THE NEXT GENERATION

## QUALITY

- Universal operator for sectional doors, overhead doors, swinging doors, canopy doors\*, side-sectional doors and sliding doors
- LED technology: durable, efficient lighting
- Made in Germany
- Energy-saving: <3 watt standby (A 550 L)  
<1 watt standby (A 800 XL)
- 24 months guarantee

\* Special fitting required

## SECURITY

- Motor with high self-locking force and active counter-pressure in the event of an attempted break-in at any point
- Wear-free steel chain for high tensile strength
- Connection option for battery pack for emergency operation in the event of a power failure (A 800 XL)
- Cyclically tested safety facilities
- The carriage can be engaged and disengaged in any position with the emergency release (pull cord)
- Bidirectional, encrypted and secure radio system **SOMloq2**
- Optional alarm warning buzzer in case of an attempted burglary or during closing process

### Track unit | Rails unit

The track unit, included in the standard equipment, allows sectional doors up to 2,500 mm in height and swinging doors up to 2,750 mm in height to be opened. By extending the track, even taller doors can be opened (available as accessory).



MADE IN GERMANY



OVER 3.000 CERTIFIED DOOR OPERATOR COMBINATIONS WITH APERTO GARAGE DOOR OPERATORS AND DOORS OF VARIOUS WELL-KNOWN PRODUCERS.

#### Chain

- galvanised, nickel-plated and high-quality chain
- wear- and maintenance-free, pre-tensioned via springs with high tensile strength



#### Additional connection options without spiral cable directly on carriage

- Connection for slip door contact
- Optional connection for alarm warning buzzer

## INTELLIGENCE

- Automatic learning process: self-learning force curve with continual adjustment
- Optimal speed profiles for quick opening and secure closing
- Operation compliant with standards
- Automatic optimisation of door operation through direct entry of measured operating forces
- Pre-selectable door types via DIP switch
- Countless setting and querying options via **SOMlink**
- Soft start/stop gentle on gears
- Automatic end position detection in Door CLOSE when programming, the closing pressure can also be individually adapted to the structural conditions

## FLEXIBILITY

- Countless accessories for expansion, e.g. additional LED Lumi+ lighting / relay / battery (A 800 XL)
- Removable carriage without track disassembly
- Easy shortening or lengthening of the track possible (extension set)

### Ceiling control unit connection option

- Pulse button
- Warning light 24VDC max. 25 watt
- 2- or 4-wire photo eye
- Additional light slot (Lumi+)
- Additional light relay slot
- Battery pack slot (A 800 XL)

### Ceiling suspension unit

flexible and easy to install

### Lumi+

Additional LED lighting for the roof control. It is switched in parallel with the lighting in the carriages and can be easily switched on and off using the light function by means of a handheld transmitter.



## PEARL TWIN

- 2-command handheld transmitter | 2-command handheld transmitter | 2-command handheld remote control | 2-command hand-held sensor
- Bi-directional radio system, frequency: 868.95 MHz
- Reliable radio control system with good range (approx. 50 m–140 m)\*
- 128 bit AES Rollingcode encryption
- Collision-resistant

\* Depending on the surroundings



## SET A 550 L / A 800 XL

3-piece track including carriage, track-mounted controller, fixing material (bracket, attachment to header and ceiling mounting unit), push arm and door bracket, preprogrammed 2-command Pearl Twin handheld transmitter



## SOMlink

### Intelligent control technology

The SOMlink module offers a wide variety of setting options for the new APERTO products on your smartphone or tablet by means of the Web app.

### The following functions are available:

- Service interface for SOMloq2-compatible operators/receivers
- Start-up assistance, e.g. deleting transmitter or adapting speed
- Configuration of operator/receiver, e.g. changing lighting duration
- Reading out/saving and loading of system data
- Visualisation of force curves



Interference resistant signal



128-bit encryption



shock resistant



Bi-directional radio control system

## TECHNICAL DATA

Operator	A 550 L	A 800 XL
Power supply	220V–240VAC	220V–240VAC
Rated frequency   Nominal frequency	50/60 Hz	50/60 Hz
Number of radio memory positions <small>(only handheld transmitter commands)</small>	20	20
Standard travel length	2,750 mm	2,750 mm
Travel length extended <small>(max. extension length of)</small>	4,942 mm (2 x 1,096 mm)	6,038 mm (3 x 1,096 mm)
Duty cycle according to S3	40%	40%
Ambient Temperature	-25° C to +65° C	-25° C to +65° C
Working environmental emissions value	< 59 dBA (operator only)	< 59 dBA (operator only)
Protection class	IP 21	IP 21
Max. traction and pressure force	550 N	800 N
Rated traction force	180 N	240 N
Rated current consumption	0.49 A	0.65 A
Rated wattage	95 W	130 W
Standby power consumption <small>(in power-saving mode)</small>	< 3 W	< 1 W
Max. speed	200 mm/s	180 mm/s
Height sectional, swinging, and canopy doors	2,500 mm	2,500 mm
Height side-sectional doors	2,300 mm	2,800 mm
Width sectional, swinging, and canopy doors	3,500 mm	6,000 mm
Width side-sectional doors and roller doors	2,500 mm	2,500 mm
Max. door weight	100 kg	140 kg

## SOMloq2

### Bi-directional radio system

At APERTO, security and convenience go hand in hand. You can only really enjoy the comfort of our radio products when you feel secure.

Our new products, equipped with the bi-directional SOMloq2 radio system, transmit radio signals in both directions when the corresponding transmitter is used, e.g. Pearl Vibe or Slider Vibe.

### The system also offers

- Feedback of whether the sent command is being processed by the receiver
- The option of querying door positions
- A very secure 128 bit AES encryption; Rollingcode
- Improvement of the range thanks to intelligent receivers, forwarding of the radio signal of a handheld transmitter by other receivers is possible
- Cyclical repetition of radio commands by the handheld transmitter until reception is confirmed by the receiver (operator)
- Backward compatibility of the transmitter to the Somloq Rollingcode radio system

