



ABLOY® LOW ENERGY LOCKS

Ecological high-security

Abloy has been the number one in developing electric locks since the 1970's.

During the decades we have presented numerous new technologies and inventions for higher safety and security all around the world.

ECO-FRIENDLINESS AND HIGH SECURITY IN THE SAME LOCK

The new energy-efficient ABLOY LOW ENERGY LOCKS are based on the worldwide known ABLOY electrical handle controlled locks. The locks are more energy efficient and have the same ultimate quality and features as our regular range of electric locks. Low Energy Locks are as durable and easy to use as the regular models.

TOTALLY NEW TECHNOLOGY

Low Energy locks are the result of green value based, persistent product development. Low Energy locks have completely new technology and components. Developing the energy-efficient lock is especially important task to Abloy, because it opens new opportunities to utilize electric locks in wireless locking systems. Low Energy locks can use the operating voltage of nearly all types of control systems, both main powered and wireless battery-operated.

BENEFITS

- Ultra low current consumption, consumes energy only when lock status is changed
- Very wide voltage range and usage possibilities
- High quality, standards and safety
- Compatibility with traditional devices
- No integration needed
- Fast and easy to install

LOW ENERGY MEANS COST SAVINGS

Also, for the user the energy saving means economical savings. When compared for example to magnetic locks, ABLOY LOW ENERGY LOCKS consume only a fraction of energy. This type of products are completely new in locking industry.

CASE STUDY

| | ABLOY LOW ENERGY LOCK <i>e.g. EL560L</i> | Magnet lock <i>Average</i> |
|--|--|--|
| Voltage | 24 V | 24 V |
| Current consumption when door is locked | ,022 mA | 250 mA |
| Power | ,00053 W | 6 W |
| unlocked | ,078 mA | 0 |
| Power | ,00187 W | 0 |
| Energy consumption / day | 0,0486Wh | 142Wh |
| Energy consumption / year | 0,018kWh | 52kWh |
| Energy cost | 3,01 € | 8 831,78 € |
| Saving | 8 828,77 € | — |

- In this calculation we have compared the energy savings when equipped the doors with magnet locks or with the ABLOY LOW ENERGY LOCKS.
- Energy consumption calculation is based on a project of an office premise with 1000 doors.
- The average use in this calculation is 100 door openings per day with door being unlocked for 10 seconds per each opening.
- The energy price was calculated with the average market price of 0,17€/kWh.

With ABLOY LOW ENERGY LOCKS

you can save in this case

NEARLY 9000 € / YEAR IN ENERGY SAVINGS.

Without making any compromises with safety or security.



*Low*ENERGY



ABLOY secures people, property, and business operations on land, at sea, and in the air – in all circumstances.

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

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