I-CONTROL

HEATING COSTS OPTIMISATION FOR INDUSTRIAL BUILDINGS

TORMATIC®
Pure Drive

AT A GLANCE

- For industrial sectional doors with 40-60 mm panel force
- Up to 87 % heat cost savings*
- Stepless modification of the door opening
- Modern laser and control unit technology
- Laser is integrated in the deepest section
- Replaces the door connecting box
- Combinable with many impulse sensors

THE SET

- Housing i-Control
- Control unit T 100 DES-H
- 2 laser scanners *(premounted)*
- Spiral cables
- Configuration remote control
- Screw set
  (for 40-60 mm door panels)

TECAL

With the help of TECAL, the energy calculator of TORMATIC, you can calculate the actual energy loss of your industrial building.
There you can find also possible saving potentials of energy, costs, emissions by using the i-Control.

www.tormatic.de/TECAL.html

THE PROBLEM: ENERGY LOSS ON INDUSTRIAL BUILDINGS

The prevention or rather minimization of air infiltration heat loss by the opening of doors is a big potential for energy saving on buildings.

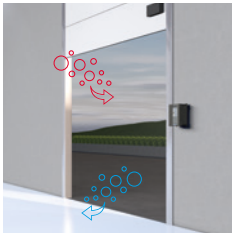
By using modern sensoric systems like i-Control an object height adjusted door opening is possible. The reduced opening surface and the considerable reduced air exchange make significant energy savings of the door specific heat demand of up to 87 % possible.

THE REASON

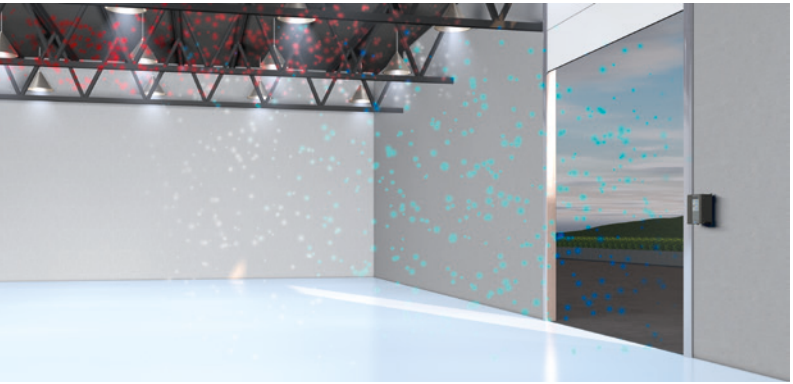
Considering the energy loss while the life cycle of a door, a 3-minute opening per hour exceeds the heat loss trough transmission and leak.

Transmission

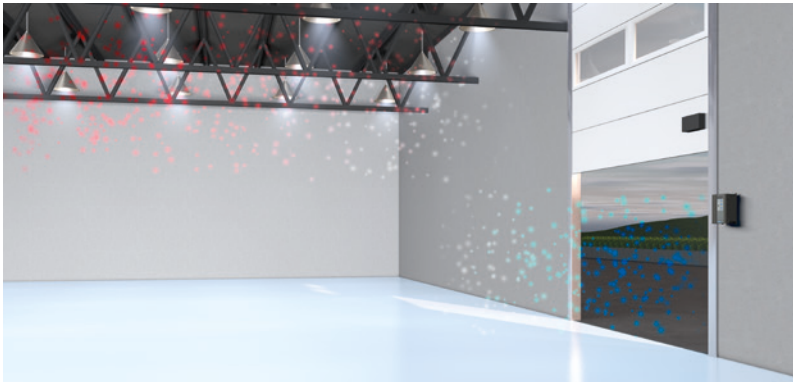
Leak



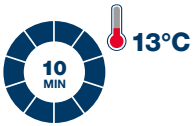
Opening



WITHOUT I-CONTROL



WITH I-CONTROL



THE SOLUTION: I-CONTROL

The laser scanners are mounted at the door leaf, so that they touch a recording section which is horizontal to the floor. While the opening phase the scanners detect the particular object until an opening height is reached, which is higher than the height of the object. The scanners will signalize the reaching of this height to the control unit, so that the control unit stopps the door opening movement. With an adjustable timed follow-up movement the door will be opened insignificantly higher than the detected object.

UP TO
87%*
HEATING COSTS
SAVINGS

** Calculative value. The real value is dependent of the mounting situation.*

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Subject to changes.
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