



HOLD-OPEN SYSTEMS

KEEP FIRE & SMOKE DOORS OPEN DURING NORMAL OPERATION
AND ENSURE THAT THEY CLOSE AUTOMATICALLY IN CASE OF FIRE

WHY HOLD-OPEN SYSTEMS?

Fire and smoke can be extremely dangerous. If a fire breaks out in a building, it can spread very fast if no precautions have been taken. A danger for people and for the building and everything in it. Normally, larger buildings are divided into individual fire areas.

Under certain conditions, it is possible to have openings in the walls of the different fire areas, e.g. for doors. Special fire or smoke doors must be used here, and they must always be able to close automatically in case of fire in order to prevent it from spreading through the building.



THE PROBLEM:

Far too often doors are still kept open by wedges or other objects.

However: doors held open this way not only allow people or goods to pass through easily, but also smoke and fire can spread in the event of a fire.

THE SOLUTION:

Hold-open systems ensure safety for fire closures.

They make sure that doors between fire areas can stay open when necessary, but always close automatically and immediately in the event of a fire.

DICTATOR - YOUR PARTNER FOR HOLD-OPEN SYSTEMS

We don't just supply products, we offer you an all-in-one package including advice during the planning and design of the hold-open system, support with any questions during installation, commissioning and acceptance of the system and assistance with maintenance and repair work.



Robust and durable components



Many years of experience in the field of fire protection



Many special solutions possible thanks to wide product range



Specialists in hold-open systems for hazardous areas



Individual planning and consulting service

HOLD-OPEN SYSTEM COMPONENTS



SMOKE & HEAT DETECTORS

Report a fire to the control centre and thereby ensure the timely triggering of the hold-open system.



ELECTROMAGNETS & COUNTER PLATES

Keep fire doors open.
The holding force of the magnets can only be ensured with corresponding counter plates.



CENTRAL UNIT

The heart of the hold-open system, in which all essential functions are combined: power supply, control and manual pushbutton.



OTHER ACCESSORIES FOR FIRE DOORS

DOOR SEQUENCE SELECTORS



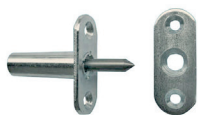
- Double-leaf fire and smoke doors must be equipped with a door sequence selector
- Door sequence selectors ensure that the door leaves close in the correct order, thus reliably preventing the spread of fire or smoke

DOOR DAMPERS FOR FIRE DOORS



- The approved solution against slamming fire doors or doors that do not close completely
- Catches the slamming fire or smoke door just before closing, closes it quietly and reliably and keeps it reliably closed
- Can also be used in combination with overhead door closers

THERMAL BOLT HLS



- In hinged fire doors, the heat of a fire can cause the door to warp and lead to dangerous gaps between the door and the frame that could let the fire spread
- The thermal bolt prevents doors from warping in the event of a fire, ensuring safely closed fire doors with no gaps
- When a certain temperature is reached, a bolt extends and locks the door leaf in place

FIRE DOOR OPERATORS



- Close doors safely and automatically in case of fire, even whenever there's power failure
- Large, modular and therefore very flexible range of door operators
- Partial or full automation of fire doors

HAZARDOUS AREA

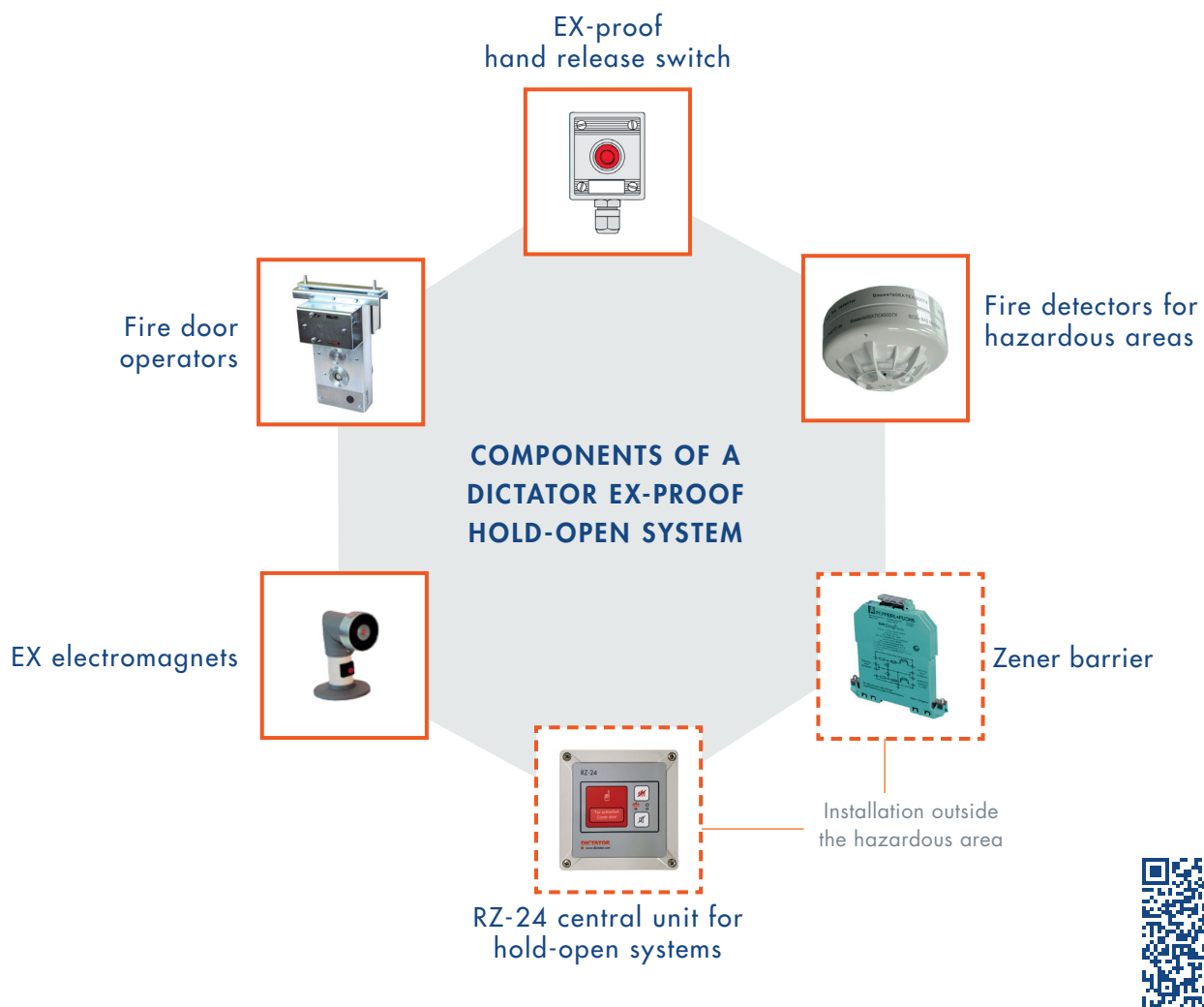
In places in which there is a risk of explosion, special requirements must be met to prevent this from happening.

But even in such places, there are fire doors that need to stay open at times, e.g. for transit purposes. Normal hold-open systems cannot be used here. The components must meet certain requirements specially designed for this sort of application.





HOLD-OPEN SYSTEMS FOR HAZARDOUS AREAS



More information under www.dictator.com >
Fire door control solutions > EX-proof components

ADVANTAGES OF THE DICTATOR HOLD-OPEN SYSTEMS FOR HAZARDOUS AREAS

- Wide range of components enables solutions for many different requirements
- Many years of experience with demanding requirements of hazardous areas
- ATEX hold-open systems are available in two versions:
 - > As a mere hold-open system without an operator
 - > As a hold-open system in combination with a door operator as an opening aid
- Individual support from the planning stage to after the purchase
- Upon request, we also offer the installation of all DICTATOR components of the hold-open system

APPLICATIONS

HOLD-OPEN SYSTEMS IN SCHOOLS – ROBUST AND RESISTANT

Hold-open systems integrated in door closers may be a visually appealing solution - but in many cases they are unsuitable for schools

Doors in schools are often opened recklessly and subjected to such high forces that both the door and the hardware can quickly reach their limit.

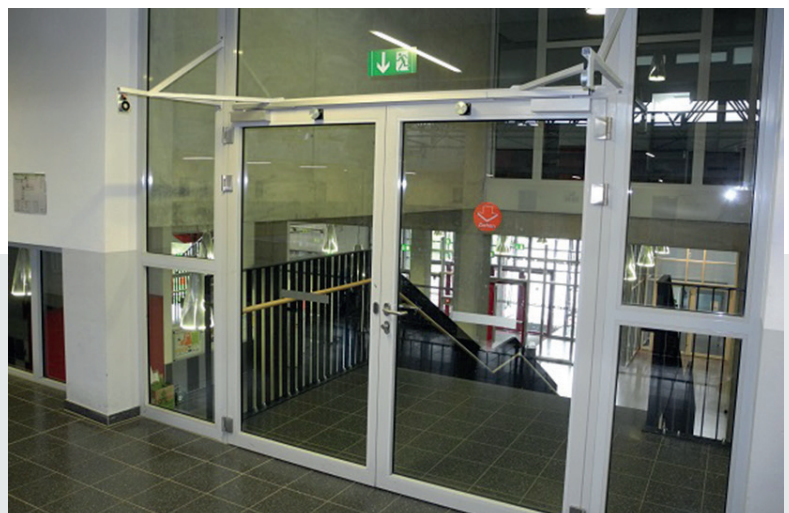
The consequence: the hold-open systems integrated in the door closer get damaged

The small electromagnets built into the door closers are not designed for high impact forces, especially when these are multiplied by the leverage effect of the door.

Damaged hold-open devices integrated in the door closers lead to high maintenance and repair costs in the long run. In addition, they can be a fire hazard in the event of a fire, because then the doors are often held open with a wooden wedge or another object.

External electromagnets – the pragmatic solution that drastically reduces risk and costs

With them, the closing function of the existing overhead door closer can still be used without a problem.



More application examples under
www.dictator.com > References >
Fire Door Control Solutions

EX-PROOF HOLD-OPEN SYSTEM IN CHEMICAL WAREHOUSE OF UNIVERSITY OF GÖTTINGEN

As part of the renovation of the Chemistry buildings at Göttingen University, a new storage facility needed to be built for the chemicals used for classes and research. Due to the nature of the storage unit, safety had to play a key role.

DICTATOR hold-open systems were installed on the fire doors of the chemical warehouse so that the doors can remain open during normal operation. In the event of an alarm, the power supply to the hold-open magnets is interrupted and the doors close immediately every time.

Due to the risk of explosion in the warehouse, all components installed here needed to be explosion-proof.

The power supplies of the 45 ATEX-protected smoke detectors together with the evaluation units of the alarm signals were installed in a separate room outside the hazardous area.

The whole design and planning of the hold-open systems as well as the installation was also directly carried out by DICTATOR.



Fire door with DICTATOR ex-proof hold-open system



The chemical warehouse of the University of Göttingen during the construction

Do you also have a project that requires a hold-open system?
Our technical department will be happy to help!

HOLD-OPEN SYSTEM SEMINARS

In Europe, regular maintenance and inspections of hold-open systems on fire and/or smoke closures may only be carried out by trained personnel familiar with the requirements of hold-open systems. With our training courses to become a specialist for DICTATOR hold-open systems, you can obtain the required certificate.



**Practical
content**



**Up-to-date
information**



**Experienced
instructors**



**Custom courses
possible**



Also as webinar

OFFERED COURSES

Specialist in hold-open systems according to EN 14637

For EU countries without national regulations or countries whose regulations refer to EN 14637 (e.g. Austria, the Netherlands, etc.). Upon successful completion of this seminar, you will be allowed to carry out the acceptance for DICTATOR hold-open systems as well as annual inspections and maintenance.

Specialist in hold-open systems according to DIN 14677

In this seminar you will obtain all the basics for the acceptance and maintenance of hold-open systems, as well as knowledge about DICTATOR components. After successful completion, you will receive a certificate that allows you to carry out the commissioning as well as the annual inspections and maintenance of DICTATOR hold-open systems.

DICTATOR manufacturer-specific components

If you are already in possession of a certificate as a specialist for hold-open systems according to DIN 14677 (Germany) or EN 14637 (EU), we offer this advanced seminar especially for DICTATOR components, so you can carry out the acceptance, inspection and maintenance of our hold-open systems.

Are you interested in a seminar for hold-open systems?
Contact us for a course tailored to your needs!

YOUR ALL-ROUND CAREFREE PACKAGE FROM DICTATOR

- Personal and individual advice - by telephone and on site
- Sound advice on the planning and design of the hold-open system
- Support with questions during installation, commissioning and acceptance
- Assistance with maintenance and repair work



Individual advice

This service is part of our products



Many years of experience

in developing solutions for doors and gates.



Special solutions are our "speciality"

Customised special solutions and complex system solutions possible.



As a partner by your side

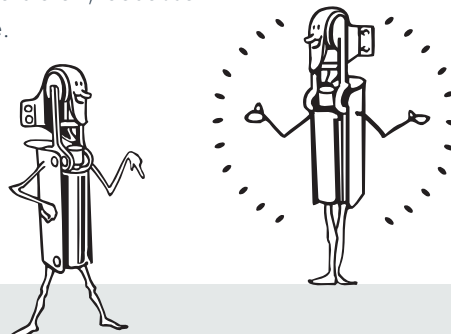
We support you from the planning stage until after the purchase.

THE NAME DICTATOR

We are often asked how we came up with the, admittedly somewhat unusual, name DICTATOR. The name has its roots in the invention of our first product:

A German and a Dutchman invented a "hydraulic shock absorber and door closer" in 1930. This special type of door closer dampens the door shortly before closing, quietly pulls it shut and keeps it closed.

Its inventors called this product 'dictator', because it dictates the door how to close.



DICTATOR – The Driving Force in Motion Control

ABOUT DICTATOR

DICTATOR is a worldwide group with its main focus of operation in Europe. The headquarters is located in Neusäß near Augsburg. Our products are manufactured in our own production facilities in Europe. This ensures the highest quality and allows us to provide custom solutions for every customer requirement at short notice.

HEADQUARTERS

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86356 Neusäß
Germany

PRODUCT RANGE

- Lift equipment
- Door closing solutions
- Hydraulic dampers
- Door and gate operators
- Fire door operators
- Fire door solutions
- Gas springs
- Door interlock systems



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