

### GEZE 4000EFS DOOR CLOSERS

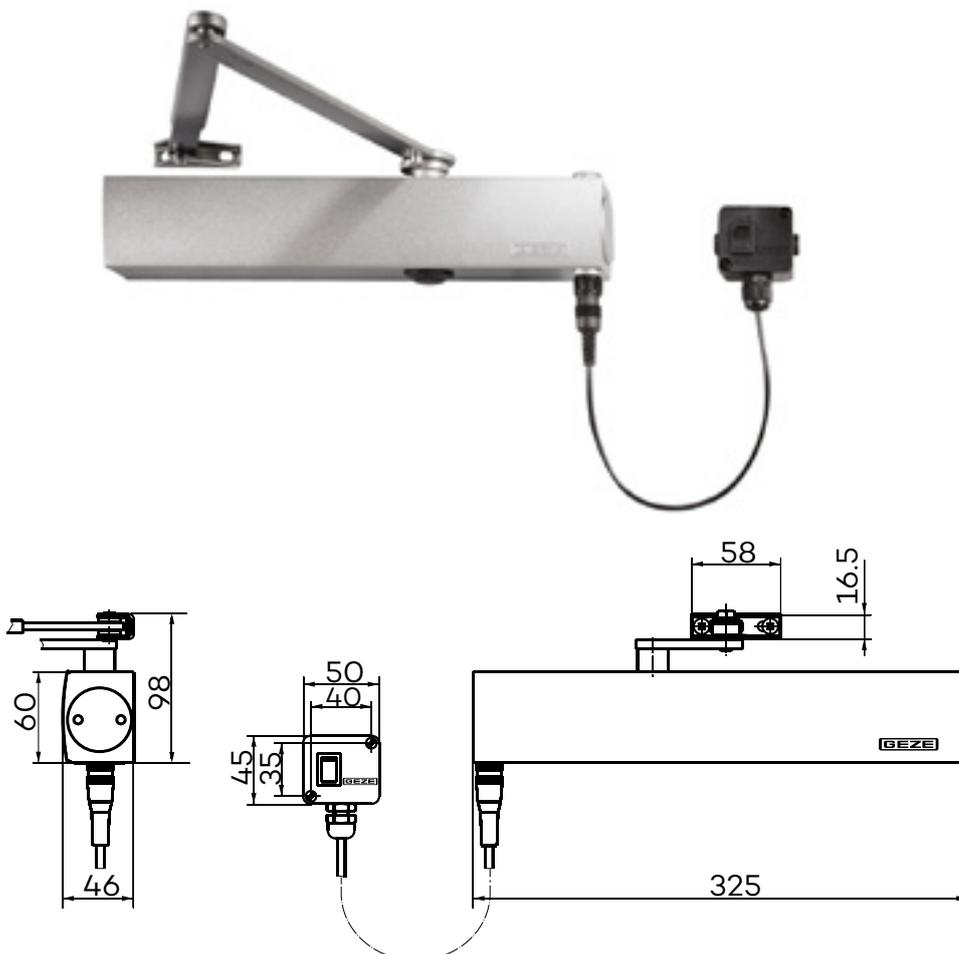
TS 4000 EFS (24 V DC) overhead door closer for single-leaf doors features what is known as a “freeswing” function. After the freeswing function has been activated by opening the door once by an angle of approximately 90° (e.g. in the morning), users can pass through the door in either direction without having to press very hard on the door at all. This function is particularly useful in retirement homes or hospitals, for example. TS 4000 EFS features an electric hold-open that is infinitely variable between 80° and 180° in accordance with EN 1155 to support the freeswing function. It is approved for use with left and right single-action doors with a door leaf width up to 1400 mm and for mounting on fire and smoke doors. The size 1-6 closing force to EN 1154, with optical size indicator, and the thermoconstant closing speed can be conveniently adjusted from the front; the latching action is adjusted by means of the link arm.

**Please note:** Due to the guideline of hold-open systems of the DIBt (German Institution for Construction Technology) a circuit breaker is imperatively stipulated when using a door closer with freeswing function.

### GEZE TS 4000EFS

#### Special versions:

- GEZE TS 4000 EFS/transom mounting on opposite hinge side 24V DC.



### GEZE TS 4000EFS

#### Applications

- For single-action doors, leaf width up to 1400mm.
- Compatible with left-hand and right-hand doors without the need for conversion.
- For fire and smoke doors (door closers with mounting plate).
- Standard mounting on door leaf, hinge side; transom mounting on opposite hinge side also possible.
- Transom mounting on hinge side possible with guide rail, closing force EN3, not approved for fire and smoke doors.

#### Technical data

Product features	GEZE TS 4000 EFS closer
Closing force to EN 1154	1 - 6
Leaf width recommended up to	1400 mm
Identical version DIN-L and DIN-R	●
Supply voltage	24 V DC
Enclosure rating IP	IP 43
Product tested in acc. with	Door closer tested in acc. with EN 1154 Hold-open mechanism tested in acc. with EN 1155
Suitable for fire and smoke doors	●
Mounting plate with hole pattern acc. to EN 1154 Supplement 1	●
Length	325 mm
Installation depth	46 mm
Height	60 mm
<b>Functions</b>	
Adjustable closing force	● Infinitely variable
Adjustable closing speed	●
Adjustable latching action	● Via link arm
Integrated back check	○
Closing force adjustment position	Front
Optical closing force display	●
Safety valve featuring protection against vandalism	●
Thermo-constant valves	●
Integrated hold-open mechanism	Electric
<b>Free swing range</b>	80°-175°

● = yes

○ = no



### NOVAS DOOR CONTROLS

GEZE Hydraulic door closers are designed to suit various residential and commercial applications. By definition, door closers are used to close hinged leaf doors after they have been manually opened. The smooth closing operation is controlled by the adjustable hydraulic rack and pinion mechanism.

In choosing a closer style for a particular application consideration should be given to the type of door being controlled, frame condition, aesthetic and the control features required by the end user.

The size and weight of the door is the main consideration in selecting a closer of the correct strength. Recommended door widths for each closer assume normal operating conditions. If a door is of exceptional height, weight, special construction, or if air pressure differentials exist, a more powerful closer should be considered.

A door closer effectively increases the loading on door hinges and their rate of wear. It is recommended that any door fitted with a door closer should use three or more Novas Ball Bearing/Sintered Bearing Hinges.

It is essential that the door be clear in the door frame and when fitted with a lock the latch bolt must engage freely with the strike.

Floor or wall mounted doorstops should be fitted to prevent possible damage to the door frame and fitted hardware.

#### **Services**

Novas offers a fully comprehensive (free of charge) specification/door scheduling service to meet project requirements. Door schedules are prepared by our scheduling team who are all design and/or industry trained professionals. Please contact your local Novas representative for assistance.

#### **Guarantee**

Novas guarantee all their products against defects in workmanship and materials subject to inspection and confirmation of fair wear and tear within the normal working life of the product.

Novas assumes no liability for:

1. Improper installation or failure to follow fitting instructions.
2. Product failure due to improper maintenance or unfair wear and tear.
3. Indirect or consequential loss or damage.
4. Cost of removal and/or replacement.
5. Cost of freight and/or travelling expenses.
6. Some plated finishes are classified as soft finishes. Deterioration is possible under some climatic conditions and cannot be unconditionally guaranteed.

Contact your local Novas representative or agent for advice on all finishes.

