

GEZE TSA 160 UFO - G

Technical Data	TSA 160 UFO - G
Mains supply	230 Volt AC
Power consumption	200 VA
Supply voltage for external applications	24V DC 800 mA
Power failure	normal door closer function, hydraulically controlled
Hold open time	0... 60 seconds

Dimensions	TSA 160 UFO - G
Drive unit (single)	220 mm x 570 mm x 125 mm (width x length x depth)
Control box	320 mm x 320 mm x 120 mm (width x length x depth) (located remotely within 10 m of operator)
Leaf width	max. 1250 mm (internal) 1000 mm (external)
Leaf height	max. 2400 mm
Leaf weight	max. 100 kg for toughened glass doors max. 150 kg framed doors (subject to application)
Door opening angle	Depending on application
Closing force	EN 2... 5



Product features (as for TSA 160 UFO but in addition)

- ▶ An under floor solution for butt hinged doors
- ▶ Suitable for use on existing doors
- ▶ Designed particularly for arched or curved doors or doors that are listed
- ▶ Suitable for internal and external doors



TSA 160 UFO

Swing door systems

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GEZE TSA 160 UFO
AUTOMATIC UNDER FLOOR OPERATOR



GEZE TSA 160 UFO Automatic under floor operator

Invisible operation gives freedom to design

GEZE continually strive to introduce pioneering ways of opening doors. Providing convenience and safety we achieve aesthetic demands without structural limitations or restrictions.

With this in mind, the GEZE UFO has been developed from our highly respected TSA 160 transom mounted unit. Its position under the floor allows for maximum transparency thus achieving architectural beauty with the highest degree of functionality.

Due to the UFO's technology it can easily be installed to assist in compliance with the safety requirements of BS 7036. Full compliance with BS 8300 and the stringent requirements of the Equality Act is achieved invisibly.

The UFO electro-hydraulic operator is housed within a sealed stainless steel enclosure mounted below finished floor level; incorporating an advanced direct drive for use with all designs of swing doors.

Optically and acoustically unobtrusive the UFO's technologically advanced motor is much quieter than traditional overhead operators, yet still offers full adjustment of opening and closing forces, speed and latching.

Compatible with all activation and safety devices and with the capability of integration with access control and building management systems the TSA 160 UFO meets the requirements of any swing door installation.

The GEZE TS 160 UFO is the ideal solution that meets aesthetic and access demands as well as restrictions applied to listed buildings or structural limitations usually encountered with refurbishments



Product features

- ▶ Fully concealed under the floor
- ▶ Extremely reliable electro-hydraulic operator
- ▶ Fully adjustable opening and closing forces, speed, backcheck, and latching controls
- ▶ Unit encased in grade 316 stainless steel enclosure
- ▶ Fully sealed to IP 64 (with IP 64 kit)
- ▶ Suitable for most common types of door construction including all glass toughened
- ▶ Single phase 240 V power supply
- ▶ Control box located remotely or discreetly within a free standing bollard
- ▶ Tamper proof



GEZE TSA 160 UFO

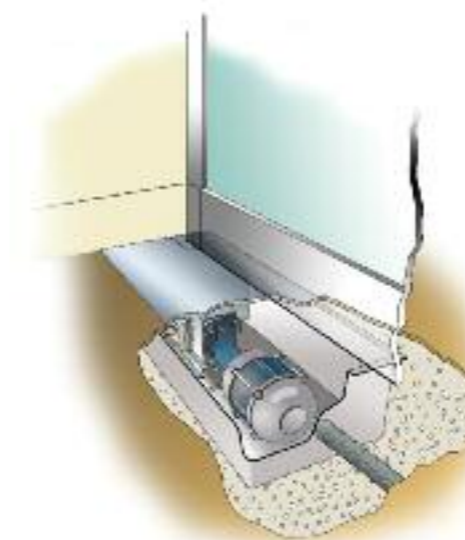
Technical Data	TSA 160 UFO
Mains supply	240 Volt AC 50 Hz
Power consumption	200 VA
Supply voltage for external applications	24V DC 800 mA
Power failure	normal door closer function, hydraulically controlled
Hold open time	0...60 seconds

Dimensions	TSA 160 UFO
Drive unit (single)	220 mm x 570 mm x 125 mm (width x length x depth)
Control box	300 mm square (located remotely within 10 m of operator)
Leaf width	max. 14000 mm (internal) 1100 mm (external)
Leaf height	max. 2400 mm
Leaf weight	max. 120 kg for toughened glass doors max. 250 kg framed doors (subject to application)
Door opening angle	max 115°
Closing force	EN 2... 5



Options

- ▶ Safety barrier rails made from various materials including stainless steel
- ▶ Electric locking - allowing interface with access control systems
- ▶ Fire alarm connection - fail safe and fail secure options
- ▶ Finger protection available for all door constructions
- ▶ Activation - compatible with all currently available devices



GEZE TSA 160 UFO - G Automatic under floor operator with guide rail

Sleek operation for challenging entrances

A further development of the successful TSA 160 UFO is the TSA 160 UFO - G which offers an under floor solution for existing butt hinged doors using a surface mounted guide rail. The automatic operator built into the floor activates the door via the pivot lever and guide rail.

The TSA 160 UFO - G has been particularly designed for doors that are arched or curved and where it is just not possible to fit a standard overhead automatic operator as it would just be too obtrusive. In addition it is suitable for use on all listed doors where there is no option to change the existing doors.

The ability not to have to alter the door i.e. pivots or hinges, yet still provide an automatic operator is a huge benefit when the conflicting demands of accessibility and conservation occur in the same building.

As with the TSA 160 UFO the operator is built under the floor allowing maximum transparency. It complies with the demands of BS 8300 and the Equality Act and can easily be installed to assist with the safety requirements of BS 7036.

The TSA 160 UFO - G is suitable for use on single and double doors and for internal and external doors (external doors inward opening only). In addition the operator can be used with all types of of toughened glass doors and with framed doors.

Site conditions will dictate where the operator will be positioned. A detailed site survey needs to be completed to ensure suitability.

