



ZT40 System



Powerful Hydraulic Operator for Intensive or Industrial Use



Greater Innovation in a Traditionally-designed Operator

The **ZT40** hydraulic operator for swing gates has been designed by Aprimatic not only for **intensive and continuous use**. Only Aprimatic, with its great tradition in the design and production of hydraulic products could create a product which is so innovative within the range of equivalent models.

The **ZT40** is distinguished by its considerable **reliability, power, safety and low noise levels**, as well as its basic and elegant **design**. Its many efficient solutions make the **ZT40** a real innovation within the range of equivalent models:

- **Hydraulic adjustable slowdown function** during gate closing (shaft

outfeed) present in all the versions offered.

This system guarantees low noise levels and reliability. The slowdown system allows you to bring the gates together gently to prevent noise and mechanical structure stress. The hydraulic slowdown function during gate closing (shaft out feed) and during gate opening (shaft infeed) is available in the DS model

- **Performance levels** unmatched by the rest of the market – **able to power gates up to a maximum width of 4 metres**.
- **Safety auto-reverse on touching and obstacle** system which uses very sensitive bypass valves, which can be set during installation. If there is an obstacle, these valves immediately cut the hydraulic pressure, so maxi-

imum system safety is guaranteed by this system.

- **Emergency release function with customised key** which, hidden inside the upper column to maintain the pleasant appearance of the operator, also has a burglar-proof protection function.
- Maintenance facilitated by the **block box which can be accessed from the outside** and the use of components common to the other ZT line models.
- **Threaded vibration-proof flexible front fitting** which permits regulation of up to 20 mm and is very useful during installation for recovering small fitting errors.
- **Rear flange with aluminium fork** with jointed movement which guarantees considerable robustness and flexibility for fitting to the column.
- Neoprene **TITANEX 11 H07 RN-F 4G1 power supply cable** (L=1 metre), specifically designed for mobile applications in external environments (-20 °C; +90°C); internal conductor cable 4x1 mm.
- Closed tank to prevent the entry of impurities and oil leaks during the installation operations. The tank has a plug which is removed when topping up and a breather screw beneath the operator which is removed when the installation is complete.
- Basic and elegant design, ideal/or combinations with both classic and modern gates. The **ZT40** hydraulic operator has been designed to last over time.





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MODELS

The **ZT40** is available in the following versions:

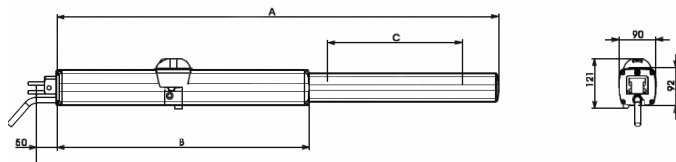
- Single **ZT40 4M** operator (up to a maximum leaf width of 4 metres) in the **SF** version (without block), **C** (with closing block), **A** (with opening block), **B** (with opening and closing block) and **DS** (double slowdown).
- Single **ZT40 7M** operator (up to a maximum leaf width of 7 metres) in the **SF** version (without block), **C** (with closing block), **A** (with opening block), **B** (with opening and closing block) and **DS** (double slowdown).

The slowdown during closing function (shaft outfeed) is a standard function on all models. The code **DS** indicates models with the hydraulic slowdown function during both closing and opening.

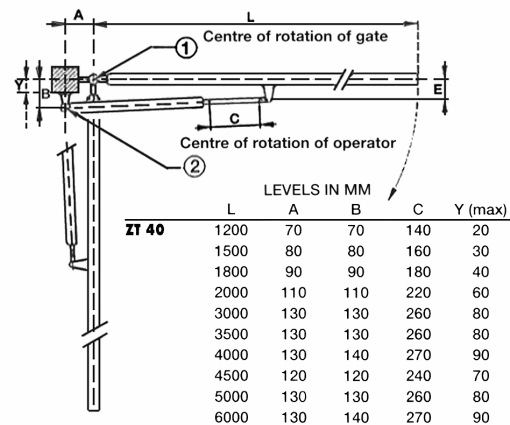
We can also offer the **ZT42 B** pedestrian operator (with opening and closing block) and **SR** (without rapid block) for maximum gate lengths of 1.2 metres.

TECHNICAL DATA	ZT40 4M	ZT40 7M
VERSIONS	C, SF, B, A, DS	C, SF, B, A, DS
CUSTOMISED KEY RELEASE	YES	YES
SLOWDOWN	YES	YES
NUMBER OF CYCLES	60 cycles per hour	60 cycles per hour
MAX. LEAF WIDTH	4 m (SF, DS)	7 m (SF, DS)
SAFETY AUTO-REVERSE SYSTEM	YES	YES
MAX. STANDARD ROD STROKE	270 mm	390 mm
OPENING TIME	17 sec	35 sec
CLOSING TIME	21 sec	48 sec
ABSORBED POWER	250 W	250 W
MAX. THRUST FORCE	5650 N	4650 N
OPERATING TEMPERATURE	-20°C + 70°C	-20°C + 70°C
OVERLOAD TRIGGER TEMP.	120° C	120° C
PROTECTION RATING (IP)	54	54

DIMENSIONS OF THE OPERATOR



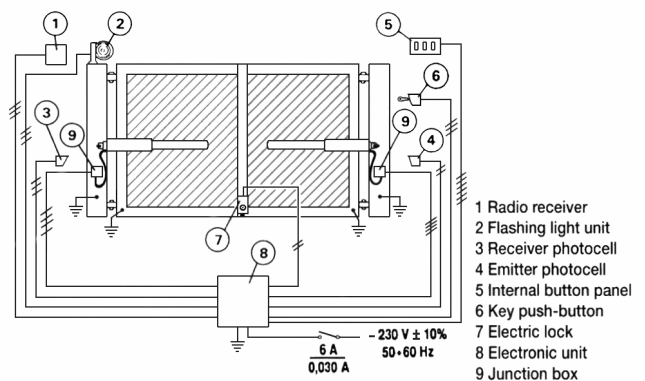
POSITIONING THE OPERATOR



CONSTRUCTION DETAILS

- Abrasion-proof polyurethane gasket and shaft scraper which ensure that the operator can also be used in dusty and sandy environments; sinterised material shaft guide bush which ensures the long life of the shaft.
- Die-cast aluminium flange and distributor body.
- Silver anodised aluminium tank and guard.
- Every external part has been treated specifically for optimal use in all kinds of climates and environmental conditions.
- **Interchangeable with Aprimatic XT series hydraulic operators.** The same centre-to-centre distance has been retained for installation so that the old product can be replaced with the new product during system maintenance.
- Lobe pump which guarantees high pressure and low noise levels.
- Aprimatic HC13 oil which guarantees the lubrication and required viscosity at different temperatures.

WIRING DIAGRAM



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