



AT 80 Range



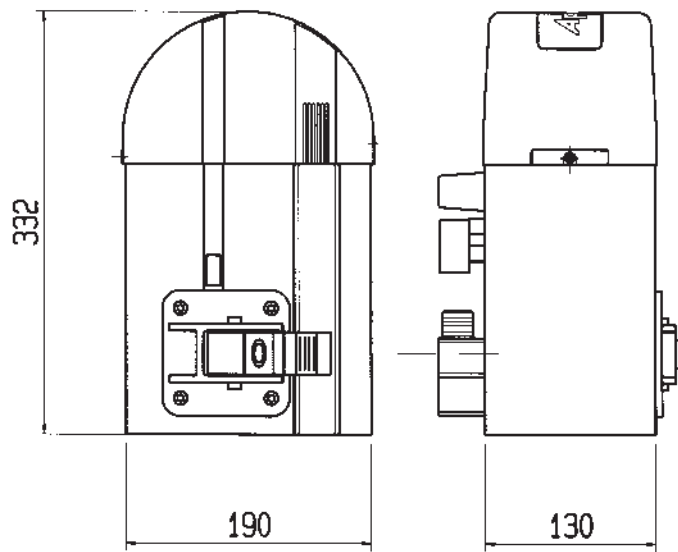
Aprimatic
THE AUTOMATIC OPENING

The **AT 80** series are gearmotors that are all the same size but with different performance depending on the power of the electric motor used.

They can be equipped with a high precision electronic limit switch which, however, can only be used if there is no swaying of the gate.

Or with an electromechanical limit switch (just indicate Y in the code) that can withstand heavy swaying of the gate without making any mistakes in detecting the open or closed position.

DIMENSIONS OF THE OPERATOR



TECHNICAL DATA FOR AT 80

| | |
|-----------------------|---------------------------------------|
| POWER SUPPLY | 230V±10% 50Hz |
| POWER ABSORBED | 330 W |
| CURRENT ABSORBED | 1.8 A |
| HEAT PROTECTION | 90° C |
| OPERATING TEMPERATURE | -20/+70° C |
| WEIGHT | 14 kg |
| AMOUNT OF LUBRICANT | 1.25 l. |
| TYPE OF LUBRICANT | AprimOil DN 22 |
| LINEAR SPEED | 9.5 m/min. (Z16) 12.0 m/min. (Z20) |
| THRUST POWER | 140 daN (Z16) 112 daN (Z20) |
| MAX. LEAF WEIGHT | 800 kg |

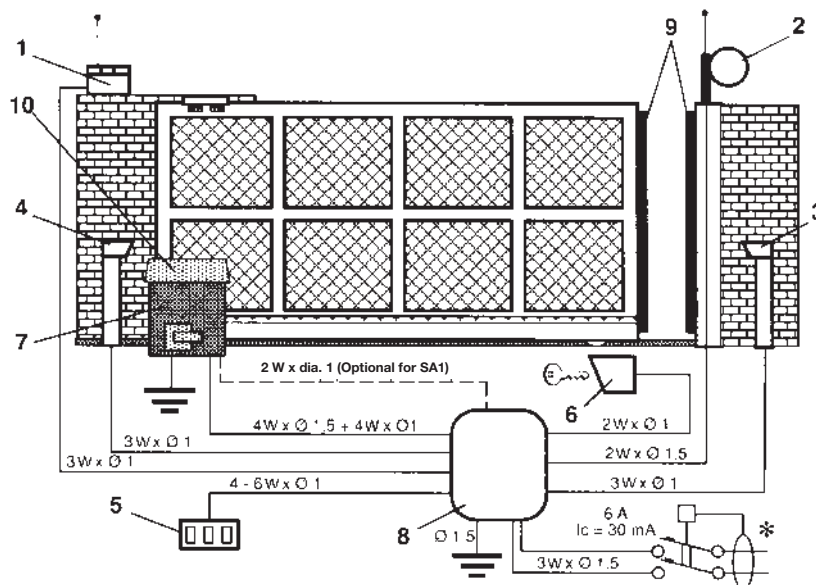
TECHNICAL RECOMMENDATIONS

The gearmotors of the **AT 80** range, with intrinsic safety clutch and in an oil bath, guarantee a very high degree of safety with respect to similar systems in use.

The safety will be even more effective if the mechanics of the gate correspond to the criteria indicated in the UNI 8612 standards; that is to say: good glide potential (wheels with an adequate diameter for the weight) and mechanical run stops on the gate rails to prevent derailment and falling.

Read the instructions for installation before starting the device and proceed as indicated in the manual.

WIRING DIAGRAM



- 1 Radio receiver
- 2 Flashing light
- 3 Receiver photocell
- 4 Emitter photocell
- 5 Internal keypad
- 6 Key switch, combination keypad or card reader
- 7 Gearmotor
- 8 Electronic equipment
- 9 Sensitive rib
- 10 Anti-crush sensor



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For intensive use of sliding gates and doors

For doors and gates subject to intensive use, Aprimatic recommends **AT 80**, a model that can be fastened to the ground with either a fixed or tip-up support. In the latter case, the oscillating operating system will work even when the guides on the ground are not perfectly straight, saving the

mechanical parts from excessive stress. The coupling and motion transmission are provided by a rack and pinion. In case of mains black-out, a release mechanism with a key can be used to open the gate easily.

Noiseless operation under all climatic conditions

AT 80 is quiet and functional at any temperature: -20° to $+70^{\circ}\text{C}$ thanks to its gear-

motor in oil bath, with non-reversible reduction unit that makes it unnecessary to install a lock.

There is total protection against crushing, guaranteed by an adjustable clutch that attenuates the thrust power of the sliding gate when it encounters an obstacle.

MODELS

The **AT 80** range is offered by Aprimatic in the following models:

- **AT 80Z16**, gearmotor with pitch 4 rack and pinion with 16 teeth.
- **AT 80Z16C**, gearmotor with rack and pinion with 16 teeth (1/2"x5/16"), without limit switch.
- **AT 80YZ16**, gear motor with pitch 4 rack and pinion with 16 teeth, with electro-mechanical limit switch.
- **AT 80Z20**, gearmotor with pitch 4 rack and pinion with 20 teeth.
- **AT 80YZ20**, gear motor with pitch 4 rack and pinion with 20 teeth, with electro-mechanical limit switch.

LEGEND

- Z** = magnetic limit switch
- YZ** = electromechanical limit switch
- C** = without limit switch



Aprimatic reserves the right to modify the information and technical data in this publication without notice.

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