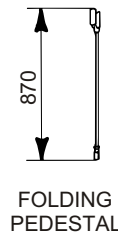
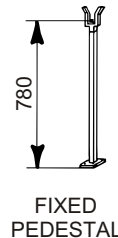


RIGHT-HAND  
Installation

GB



Oil-hydraulic, compact barrier with rounded edge beam profile. The beam, made of anodized aluminium, which is balanced by a return spring and operated by an electro-hydraulic assembly made up of the motor and pump. A fast, smooth and quiet unit, with built-in braking device in both directions of movement. The housing, square in section, is extremely compact and fitted with a lockable door in the front. The key has a cut profile for security. Fully protected inside is the mechanism which controls the up/down operations through the following parts: piston actuator, spring, electronics and beam adjustment for correct alignment. It is made of welded steel metal sheet. A special (galvanic) treatment provides a better grip for the finishing with epoxy-paint, in order to make it last longer and achieve a weather-resistant unit. In case of power failure or emergency events, it can be released for hand operations. The special releasing key is factory-fitted to the valve assembly and is easy to reach after opening the door. The return spring is fitted to the main shaft to balance the weight of the beam and ensures a consistent smoothness of operation. On approaching the end of the up and down strokes, the beam is allowed to "brake", that is to slow down speed by means of two supplementary valves in the piston head, which can easily be adjusted to meet the site applications. It is recommended that the beam is allowed to rest on a support when in its fully down position. To this purpose two options are available, either the folding pedestal fitted to the beam, or the separate pedestal fixed to the ground. Inside the housing there is an adjustment to perfectly align the beam after the installation has been completed. The electronic programmer is factory-fitted to a support arm inside the housing in the most convenient position for the installer to easily connect the electric wires; all the required accessories it is designed for, such as the photocells, keyswitch, flashing lamp, remote control, induction loop detector and the coaxial cable, can be terminated to its board by leading the respective cables and wires through the hollow support arm. The speed of the barrier is set by the manufacturers to meet the specifications provided at the time of the order, and it is not possible to change the speed once the barrier has been installed. Also, being the barrier designed as handed, the option right handed or left handed must be specified on ordering, along with the length of the beam; no change can be made on site. "Barri 88" is available in two models: the first is 4 m beam length, 5 seconds. The second is 3 m beam length, 5 seconds, taken into account that a 2 second time is the delay occurring with the "slow down" device which prevents vibrations and rebounding of the beam. The manufacturers reserve the right to change the product without any previous notice to the purpose of further improving the mechanism and hydraulics of the equipment.

An Aisi 304 stainless steel version is available conforming to ISO Norms. Steel is X5 Cr Ni 18-10 Z 6 CN 18-09 1.4301, austenitic, nonmagnetic type largely used by engineering industry and generally referred to as Cr Ni 18-10 steel. It can be featured as highly resistant to intercrystalline corrosion, pitting and plastic deformation. Very good for welding, drawing or die forming. It has a high impact strength and resistance to stress yielding at low temperature.

#### TECHNICAL SPECIFICATIONS

##### Oil-hydraulic pump

Pump flowrate -P10 -	2.75 l/min.
Working pressure	2MPa (20bars)
Max pressure	4MPa (40bars)
Working temperature	-20°C +80°C
Hydraulic-oil	OIL FADINI
Shaft rotation	95° max.
Static weight	58Kg
Rated torque	185.2 Nm
Aluminium beam R526	4 m
Opening time 4 m beam	5 s
Closing time 4 m beam	5 s
Colour of the housing	RAL 1018 ZINC-YELLOW
Protection standard	IP 557

##### Electric motor

Poweroutput	0.24KW (0.33HP)
Supplyvoltage	230V
Frequency	50Hz
Absorbed power	330W
Absorbed current	1.8 A
Capacitor	12.5 µF
Motorrevolutions speed	1'350 r.p.m.
Intermittent service	S 3
Insulation class	F

##### Electronic programmer

Three relays. One for safety	24 V 16 A
Transformer	8 VA
Capacitor	12 µF 400 V

##### Service

Duty cycle: 5 s Opening - 30 s Stop - 5 s Closing - 30 s Stop  
 Time of one complete cycle: 70 s  
 No. of complete cycles "Opening-Stop-Closing-Stop": 51/h  
 Cycles a year, 8 hours' service a day: No. 149'000



EUROPEAN MARK CERTIFYING CONFORMITY  
 TO THE ESSENTIAL REQUIREMENTS OF THE  
 STANDARDS 98/37/EC



**FADINI**  
 the gate opener  
 Made in Italy

Drwg. No. **2151**

**TECHNICAL SPECIFICATION TABLE**

**OIL-HYDRAULIC BARRIER  
 FOR TRAFFIC CONTROL**

