

Automatic

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Información importante



BENITO

BENITO Urban, is not responsible for damage caused to people, animals or objects, derived from misuse or applications that exceed the limits indicated in the attached technical sheet or due to a different use for which it was designed this product





Electrocución

Aplastamiento

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Automatic T+34 938 521 000 **BENITO** www.benito.com H6004-H6008 NOTES:

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BENITO	Automatic	T+34 938 521 000 www.benito.com		BENITO	Automatic H6004-H6008	T+34 938 521 000 www.benito.com
NOTES:				1- General Warnings		i
					ings for the installer al safety obligations-	
NOTES:		020	 they constitute a serious secur 8- In countries not belonging to to obtain an adequate level of described and mentioned abov 9- BENITO, is not responsible of the supplied products and th deformations that could interver 10- The installations must be of existing that are applicable 11- Remove / Disconnect the provident and the installation. 12- Place a magneto thermal protection with 13- Verify that the ground instarmetallic. 14- The automation has the provident and the stallation. 15- Safety devices (EN 12978) danger of mechanical risks of rout. 16- For each team it is recomm 	correct installation or improper carefully before installing the astic, polystyrene, etc) mus sources of danger, these shou osures intended for waste ma are consultations. In and manufactured exclus int from the intended one could or represent a source of dang onsibility derived from misuse, explosive atmospheres, the pr ity hazard. In the EEC, in addition to the c security, they must follow and re. for the breach of good installa- ter corresponding accessorie ene in the use. arried out respecting at all time ower supply before carrying of rotection with bipolar interrup a threshold of 0.03 Amp. Illation is correctly carried out ssibility of incorporating a safe rque control (pressure switch) equired. However, it is necess ded in the standards indicated standard) allow protection of novement, such as crush, dra-	use product. t not be left within reach lid be inagement and / or collection. sively for the indicated use d harm the er. improper or diverse esence of flammable gas or fumes urrent national regulations, adhere to the standards tion techniques s as well as the les the regulations but a tion in the electric network, and connect the parts ety device , for applications ary to check the l in point 10. possible areas of g,	
			V04 28/0/2020	(e.g .: flashing built into the bol signaling, in addition to the dev 17- For maintenance use only	vices indicated in point "15").	TO spare parts.

1.1 – General Warnings



18- BENITO, declines all responsibility related to safety and proper functioning automation if non-factory components are used

production or those supplied by BENITO.

19- Do not make any modification to the components that are part of the system automation system.

20- The installer must provide all the information regarding the manual download of the bollard in case of emergency and provide the user of the equipment with the Warnings attached to the product.

21- Do not allow children or people to stop near the bollard during their functioning.

22- Keep radio controls or any other radio transmitter out of the reach of children. impulse, to avoid that the automation can be activated voluntarily.

23- You can only walk over the bollard with the device fully lowered.

24- In case of malfunction, activate the disconnectors to cut the power network, thereby releasing

access, (positive security), in the case of a bollard with (negative security), is you must also release the valve

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corresponding, duly signaling the access with "OUT OF SERVICE", and request the intervention of a technician

qualified (installer).

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DECLARATION OF CONFORMITY FOR MACHINES

Manufacturer: BENITO URBAN, S.L.U. St. Lleida. 10 08500 -Vic-Barcelona Address: Declare: The bollard model H6604 4mm - H6006 6mm It has been manufactured to be incorporated into a machine or to be assembled with other machinery to manufacture a machine in accordance with the Directive 2006/42 / CE and meets the essential safety requirements of he following EEC directives.

> 2006/95 / CE Low voltage directive. 2004/108 / EC Electromagnetic Compatibility Directive Likewise, it declares that it is not allowed to put into operation the machinery until the machine in which it must be incorporated or of which it will be a component, has been identified and its compliance with the conditions of Directive 2006/42 / EEC, as well as its subsequent modifications

DECLARACION DE CONFORMIDAD PARA MAQUINAS

Manufacturer: Address:	BENITO Urban S.L St. Lleida, 10 08500 -Vic-Barcelona
Declare:	Panel control by H600 – H6006 Bollards It complies with the essential security loopholes of the following EEC directives:
	2006/95 / EC Low voltage directive 2004/108 / EC Electromagnetic Compatibility Directive
	Note: This product has been tested in a typical configuration homogeneous
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BENITO

Height from ground level

Operating temperature range

IP Protection Degree

Material & Finished

Bollard diameter

Box Dimension

Voltage

Consumo

Motor Power

Work Speed

Rising force Thickness Pipe

Rise Time

Down Time

Control Panel Impact Resistance

Light on top

Safety people and objects

Trafic lights Function

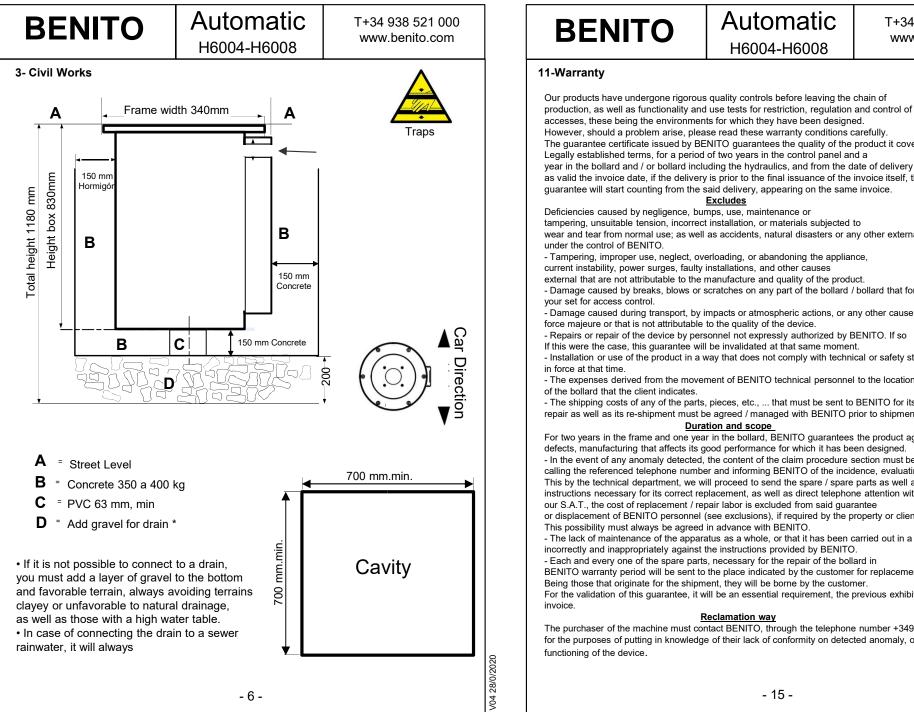
Reflective Band

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220 Ø 600 mm 220 mm 300x300x863 mm 230V 50Hz 650 W 375 W (3000r.p.m) 600 90 mm/s 130mm/s -20°C +80°C IP 67 1400 NW 4-8 mm 30 Stainless & Satin 4 seg. 4 seg. TPBC20 60.000 J(4mm) - 250.000J (8mm) 830 Optional Yes Yes Optional 273 - 5 -

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- The expenses derived from the movement of BENITO technical personnel to the location, of the bollard that the client indicates.

- The shipping costs of any of the parts, pieces, etc., ... that must be sent to BENITO for its repair as well as its re-shipment must be agreed / managed with BENITO prior to shipment

Duration and scope

For two years in the frame and one year in the bollard, BENITO guarantees the product against all defects, manufacturing that affects its good performance for which it has been designed. - In the event of any anomaly detected, the content of the claim procedure section must be followed. calling the referenced telephone number and informing BENITO of the incidence, evaluating This by the technical department, we will proceed to send the spare / spare parts as well as instructions necessary for its correct replacement, as well as direct telephone attention with our S.A.T., the cost of replacement / repair labor is excluded from said guarantee or displacement of BENITO personnel (see exclusions), if required by the property or client, This possibility must always be agreed in advance with BENITO.

- The lack of maintenance of the apparatus as a whole, or that it has been carried out in a incorrectly and inappropriately against the instructions provided by BENITO.

- Each and every one of the spare parts, necessary for the repair of the bollard in BENITO warranty period will be sent to the place indicated by the customer for replacement. Being those that originate for the shipment, they will be borne by the customer. For the validation of this guarantee, it will be an essential requirement, the previous exhibition of the

Reclamation way

The purchaser of the machine must contact BENITO, through the telephone number +34938521000, for the purposes of putting in knowledge of their lack of conformity on detected anomaly, or the proper functioning of the device.

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11-Warranty

accesses, these being the environments for which they have been designed. However, should a problem arise, please read these warranty conditions carefully. The guarantee certificate issued by BENITO guarantees the quality of the product it covers, in the Legally established terms, for a period of two years in the control panel and a year in the bollard and / or bollard including the hydraulics, and from the date of delivery thereof, taking as valid the invoice date, if the delivery is prior to the final issuance of the invoice itself, the guarantee will start counting from the said delivery, appearing on the same invoice. Excludes Deficiencies caused by negligence, bumps, use, maintenance or

tampering, unsuitable tension, incorrect installation, or materials subjected to wear and tear from normal use; as well as accidents, natural disasters or any other external cause under the control of BENITO.

- Tampering, improper use, neglect, overloading, or abandoning the appliance, current instability, power surges, faulty installations, and other causes external that are not attributable to the manufacture and quality of the product.

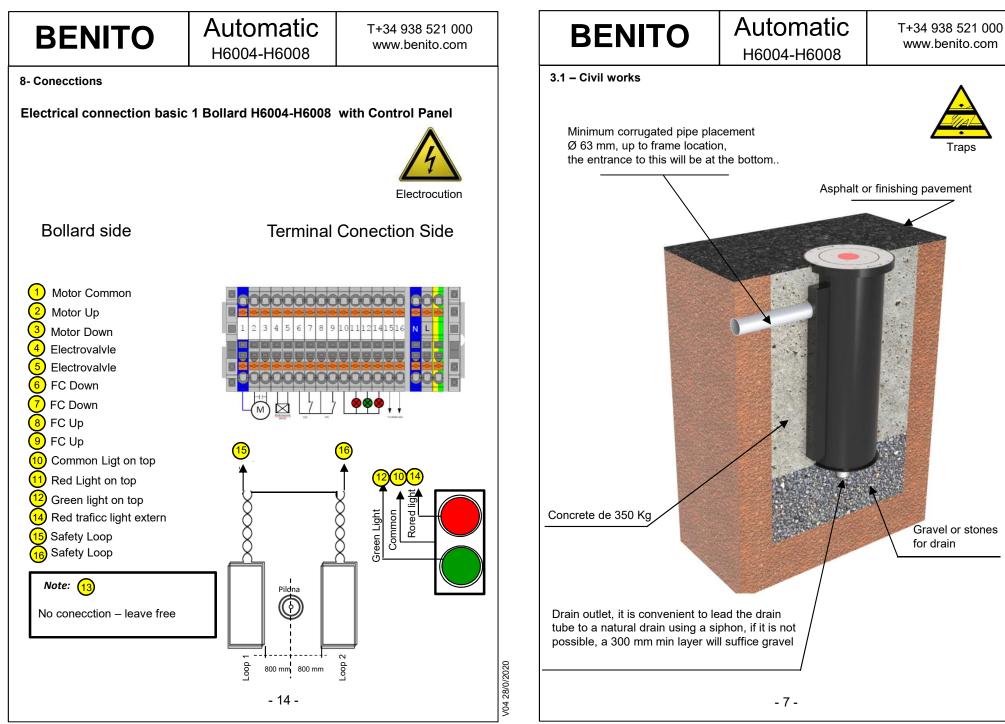
- Damage caused by breaks, blows or scratches on any part of the bollard / bollard that forms your set for access control.

- Damage caused during transport, by impacts or atmospheric actions, or any other cause of force majeure or that is not attributable to the quality of the device.

- Repairs or repair of the device by personnel not expressly authorized by BENITO. If so If this were the case, this guarantee will be invalidated at that same moment.

- Installation or use of the product in a way that does not comply with technical or safety standards in force at that time.





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4 - Connection Terminal Board



Electrocution

- Waterproof metal box, epoxy paint
- Measurements: 400 x 400 x 200 mm
- 230 V supply
- Maximum capacity up to 3 bollards
- 24V power supply, protections, programmable automat, remote control.
- Vehicle detector with power fail function.
- Mode operating selector(manual-automatic)
- Optional: Wifi, bluethot
- Lock with key.



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7.1- Function and starting

Incidence	Cause	Effect	Actions
The bollard starts the climb stage and the entrance (XS) of the automat disappears, descending again, and there is no vehicle in the safety zone	Failure or mismatch of the loop or magnetic loop, of vehicles or metal mass.	One of the loops, or both, are very close to the bollard, detecting the bollard in motion, understanding this circumstance as the presence of a vehicle, X5 missing in PLC	Correctly relocate ties or turns (80 cm). Adjust sensitivity or reset detector by pressing for 3 sec. The Mode Simm1 button. The ledt will be green, and X5 in PLC appears.

IN

Status of the necessary indications of the PLC in the raised position. Leds on: X0 = Security X1-Start- X2-Bollard Down X3 = Bollard Up – X4 = Not use – X5 = Security loop - X6= Manual Mode- X7-Automatic Mode.

OUTS

Y0= Motor UP - Y1= Motor DOWN- Y2= ElectroValve= Y3= Errors Subrutine-Y4=Red Crown – Y5 Green Crown

*Only in installations with pressure switch installed for personal safety, in the version Basic pressure switch is optional.

Warning:

In case of using a time clock, ON contacts must be programmed for descent times, and OFF contacts for rising times, selector S1 must be in automatic, upper position

Loop Reset

Warning:

- Push 2, 3 seconds.

1- The led should be green, the reading on the display remains fixed.

2- And in the Controller must be the X5

Input X5 be turned On.

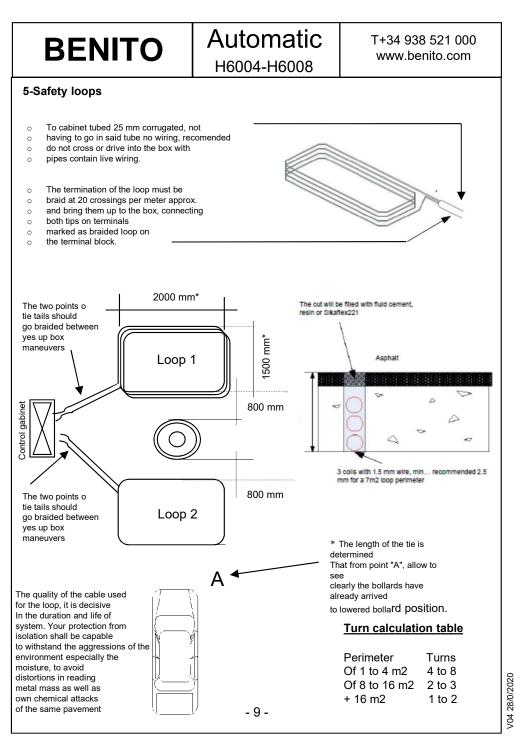




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Incidence	Cause	Effect	Actions
The bollard reaches the maximum at the top and descends again,repeating it for 3 times, stays below and does not rise, if the voltage is removed the system is restored and the three cycles are repeated again. When it reaches the top, input X3 does not light up in the automaton, detector bollards up.	Bollard reading ailure in up position, the system does not know that the pylon has reached the top.	Dirt that prevents the bollard from reaching the top, or end of stroke failure, for safety the bollard remains in the down position	1.Clean sand, mud etc, 2.Replace detector
With the bollard in the down position and with fast flashing red and changes to green 3 successive times, with the same behavior after 3 minutes.	*Safety pressure switch failure people or obstacles.	1.Dirt or obstacle preventing the bollard from climbing 2.Strong blow causing a forced slide, safety shot by obstacle. 3.Pressure switch failure	 Inspección y limpieza de restos u obstáculos que dificultan la subida normal de la pilona. Substituir presostato y ajustar.
With the bollard stopped in the up position, it descends without starting the engine.	1. Solenoid valve failure. 2.Oil leak	 Particle or impurity inside the valve that prevents its closing. Valve defective. Oil leaks in the hydraulic system. 	 Replace electrovalvle. Look oil level or leaks
With the bollard in the up position and the crown lights up in flashing red.	Bollard up reading fault, the system does not recognize in which position the pylon is stopped up.	 Dirt that prevents the bollard from reaching the top, or end of race failure. 	1.Clean sand, mud 2.Replace detector
Bollard stays down completely and the crown lights up green, input X2 is not indicated, bollard detector below.	Bollard down reading failure, the system does not recognize in which position the bollard is stopped	 Dirt that prevents the bollard from reaching the top, or end of race failure. 	1.Clean the pylon drawer bottom 2. Replace the limit switch.
The bollard does not rise, remaining below with a green crown, and the exit is switched on by the automaton (Y3- Y5)	The bollard has made three attempts to climb without finding the bollard signal above (X3)	1.Bollard does not rise 2.If we remove the tension (reset), the bollard will try to climb again and if it continues to find no limit switch up (X3) it will try 2 more times, staying down again.	1.Clean sand, mud etc, 2.Replace detector
La pilona no sube, quedándose abajo con corona en verde, y en autómata no se enciende la entrada (X4)	* Safety pressure switch failure people or obstacles.	1.Dirt or obstacle preventing the bollard from climbing 2.Strong blow causing a forced slide, safety shot by obstacle. 3.Pressure switch failure	1.Inspection and clean of rest or strange objects that prevent normal operation. 2.* Pressure switch failure



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TOP Pos.

SYNAPSE

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6- Functions mode and starting

Funtion selector S1.

Automatic Mode

(Habilitado solo con lazo de seguridad)

With lights on top function traffic lights

Selector S1 UP position

Starting the system: with the bollard in the down position, light crown in green, and no vehicle on any of the turns or loops of security, after 10-12 seconds, the bollard will start with a cycle of notice for three seconds, thus giving a margin protection of warning to the user, through a flashing light crown in red, thus indicating the imminent maneuver climb, after this time the bollard starts the climb maneuver, In this phase the indication is flashing red, reaching the up position, the indication becomes solid red, and waiting until a descent order to the opening.

Vehicle security:

If during the climb maneuver a vehicle invades the area safety (loop), the bollard stops its climb maneuver, and reverses the direction of travel, staying in the down position, waiting for the release of the security zone (loop) of the vehicle, the bollard will not climb. (only in installations where there is a security loop). It is not recommended to park vehicles on the security loop, these are intended For the detection of metallic mass in movement, (vehicles, motorcycles, bicycles, etc.)

People security:

(Optional) If the order to climb is given and there is a

Person or obstacle greater than 20 kg, the bollard will not rise, remaining in the down position, wait 10 sec. and will try to climb again, if the person or obstacle on it persists, will continue without going up, this loop will repeat up to 3 times, after the third attempt it will continue down for three minutes, giving time for the bollard to release.

(only in installations where security for people is activated)

Selector S1 Central position

In this position the bollard will always remain lowered and crown in green. This selection is used for public events where everything needs to be Released the access space, preventing it from going up either automatically or in manual by remote control

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6.1- Functions mode and starting

Manual Mode

(step by step)

Selector S1 down position

In the down position, the bollard will not start a cycle until an operating order, this can be be this by remote control, card proximity, tag ... etc. Started the cycle, the bollard in position lowering, luminous crown in green colour, and no vehicle on none of the loops or safety ties, (if any), the bollard will start a warning cycle for three seconds, thus giving a protection margin of response to the user, through a rapid flashing of the red in head bollard, this indicating the imminent operating cycle. At the end of this time the bollard will rise, during the climb, the indication is with slower flashing red color, the up position reached, the indication passes to be solid red, waiting for an opening order.

Once the climb maneuver has started, it can be interrupted by pressing the knob to go down, go down again.

Vehicle security:

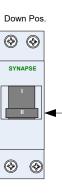
If during the climb maneuver a vehicle invades the area

safety (loop), the bollard stops its climb maneuver, and reverses the direction of travel, staying in the down position, waiting for the release of the security zone (loop) of the vehicle, the bollard will not climb. (only in installations where there is a security loop). It is not recommended to park vehicles on the security loop, these are intended For the detection of metallic mass in movement, (vehicles, motorcycles, bicycles, etc.)

People security:

(Optional) If the order to climb is given and there is a Person or obstacle greater than 20 kg, the bollard will not rise, remaining

in the down position, wait 10 sec. and will try to climb again, if the person or obstacle on it persists, will continue without going up, this loop will repeat up to 3 times, after the third attempt it will continue down for three minutes, giving time for the bollard to release. (only in installations where security for people is activated)





SYNAPSE

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