


TECHNICAL DESCRIPTION

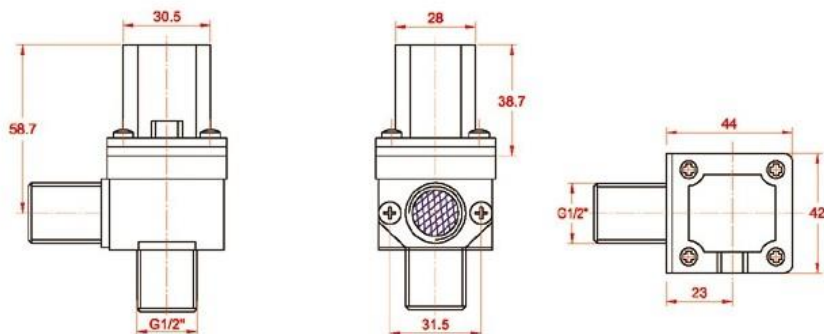
IR urinal control with magnet valve



TECHNICAL PARAMETERS

Type:	DOOR'A- TP
Item number:	DTPV41305
Designation:	Chrome covered plate pissoir, toilet control with flushing valve - can be mounted in wall
Voltage:	7-15V DC MINIFIT connector
Type of electronics:	Door'a V4; Door'a V5
Capacity of electronics:	6V DC /0,5A
Electric shock protection category:	III.
Chrome cover plate:	175x145x15 mm
Wall box size	160x130x70 mm
Type of cover plate:	Hidden screwed
Flushing:	Manually, Automatic (after leave)
Flushing time:	adjustable 3, 4, 6 (basic setting), 8, 10, 12, 14, 16 sec.
Input water connection:	½ Coll
Output water connection:	½ Coll
Operation automatically:	
- Detection time:	0,1 sec. after each 2 seconds
- Sensitivity:	80 cm
Operation manually:	
- Detection time:	0,1 sec
- Sensitivity:	6 cm
Set comprises:	<ul style="list-style-type: none"> - Box- can be mounted in the wall - Installing frame and electronic module - Cover plate with sensor window; - Bistabil magnet valve 6 V.
Available accessories:	<ul style="list-style-type: none"> - 12V 1A switching power pack with MINIFIT connector, power cable extension 5 m

Type:	MAGNET VALVE VTF-138
Item number:	VTF1381305
Voltage:	DC 4.5 – 6V
Coil resistance:	17.5 Ω \pm 0.5 Ω (20C°)
Connecting method	Direct impulse
Temperature range	1 – 75 C°
Connecting time	open \leq 0.15s close \leq 0.5s // \geq 25 ms 0.02Mpa-0.8Mpa
Flowing volume	<p>0.02 pa \geq 3L/min ; 0.1Mpa \geq 16L/min; 0.8Mpa \geq 40L/min</p> 
Lifetime	\geq 1.000.000 switching
Material	40% yellow brass , 60% plastic, connector- stainless steel



Type:	Power pack
Item number:	T12V1A1305
Voltage:	DC 12V 'A
Connection:	MINI-FIT2

Description

The device is a totally hungarian improvement. Both the assebmle works of the panel and the metal-works are taken place in Hungary.



The device perceives the reflected infrared light.

Mode of operations:

- A. Person is perceived by the infra sensor, after departure the mechanical flushing starts automatically. Transmission distance of the sensor is 80 cm at all new product (basic configuration -**SW1 1-2_OFF**)
- B. Manual controls - The sensor perceives our hand within 6 cm distance . After it the machenical flushing starts. (**SW1 1-2_ON**)



We can set up the flushing time as well – in case of pissoir we recoment 6 sec flushing time (**SW1 3-4_OFF; SW1 5-6_OFF; SW1 7-8_OFF** basic configuration).

Further settings can be done under „**WATER FLOW TIME SET UP** „menu point.

Due to future service works and to be able to achieve better water streaming it is recommended to place a cut-off valve in front of the device.

The device does not contain power supply, for this reason the 12V DC should be ensured from external power supply.

The equipment can be operated with 6V DC impulse magnet valves. (For your request we can prepare program for other magnet valves as well. Ask our price offer)



SENSITIVITY SETTING

The industrially adjusted range can be refined with potentiometer. After set up it can be tested with „led test” if we could achieved the requested result (continuous lights indicates the perception).

CONSTRUCTION

The chrome covered box contains the controlling electronics and the magnet valve.

The electronics was fixed to the frame with openable fastening, which ensures the easy change of the compact. A special service led was built into the box which flashes continuously during service works.

The **special plastic protecting window** let only infra lights through (built in before the diodes) and ensures the reflection free operations.



SAFETY SPECIFICATIONS

The electrical connecting works must be done only in voltage free condition. For assembly minimum 0,35mm² cross-sectioned electrical inner tube cable has to be used. **It is forbidden to use stiff electrical cable!**

INSTALLATION

It is subservient to place the device near to the pissoir, toilet bowl.

Mount it into the side wall (at 140 -150 cm high) or into the rear wall (at 90-100 cm high). It is recommended to keep the sensivity on 80 cm. During assembly into the rear wall please note that the toilet roof and the flush pipe can not trammel the view of the infrared sensor.

IMPORTANT! 2 or 3 devices which are working with infrared lights can not be installed opposing , as these will confuse each other!

CONNECTION OF ELECTRONICS

The MiniFit connectors can be connected only one kind of way.

RED - + 8-18V

GREEN - GND

BLUE - +6V - GND (towards the magnet valve)

BLACK - GND - +6V (towards the magnet valve)

WATER FLOW TIME SET UP

The water flow time can be set up with jamper(SW1) with the help of the chart find below. The basic mode is 6 sec. but the user is free to use from the different intervals –considering water saving and other aspects.

It is recommended to place a tap in front of the incoming water to be able to control the water flow.

SW1	1-2	3-4	5-6	7-8
Automatic	OPEN			
Manually	CLOSE			
3 mp		OPEN	CLOSE	OPEN
4 mp		CLOSE	OPEN	OPEN
6 mp		OPEN	OPEN	OPEN
8 mp		CLOSE	OPEN	CLOSE
10 mp		CLOSE	CLOSE	CLOSE
12 mp		CLOSE	CLOSE	OPEN
14 mp		OPEN	CLOSE	CLOSE
16 mp		OPEN	OPEN	CLOSE

Due to different service works and for better water flow settings it is recommended to place a cut off valve before it.



SETTINGS

The appropriate sensitivity settings – considering the particularity of the location - are the implementer's responsibility. This set up work is not the part of warranty repair but can be ordered for extra charge.

For sensitivity set up work ask price offer from the producer (below)

IMPORTANT!

The installation and wiring of the infrared controlled device must be performed only by professionals.

The infrared controlled unit is suitable for indoor use only!

Avoid watery cleaning - Clean only with damp wipes!

The device must not be used with damaged cable!

During power cord designing provide for a main switch and a small fuse (6A)!

The manufacturer does not take any responsibilities in the following cases:

- in case of unsuitable usage**
- if the device is used not according to it's function**
- in case of incorrect installation**
- usage under unsuitable voltage**



MAINTENANCE

Due to the carefully worked chrome front panel the surface is extremely hard, shiny sparkle, dirt-resistant.

The surface beauty can be preserved as follows:

Do not use granular, acid, chlorine-containing detergents, these can cause stain on the chrome surface.

Normal cleaning, citrit acid, acetic acid cleanes can be used.

Before usage please read the operating instructions carefully. In case of doubt test cleaning can be done on less visible part of the device. One or two days later, if there is no staining on the surface the agent can be used. After cleaning dry the surface.

The sensor must be protected from the interference effects of the external light. The sensor window should be clean weekly in order to ensure smooth operation. Do not use white spirit – or similar solvent – or a detergent which scratch the sensor window because they can cause a decrease in sensivity.

DISTRIBUTOR, MANUFACTURER, SERVICE

Consumer can call upon for service:

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