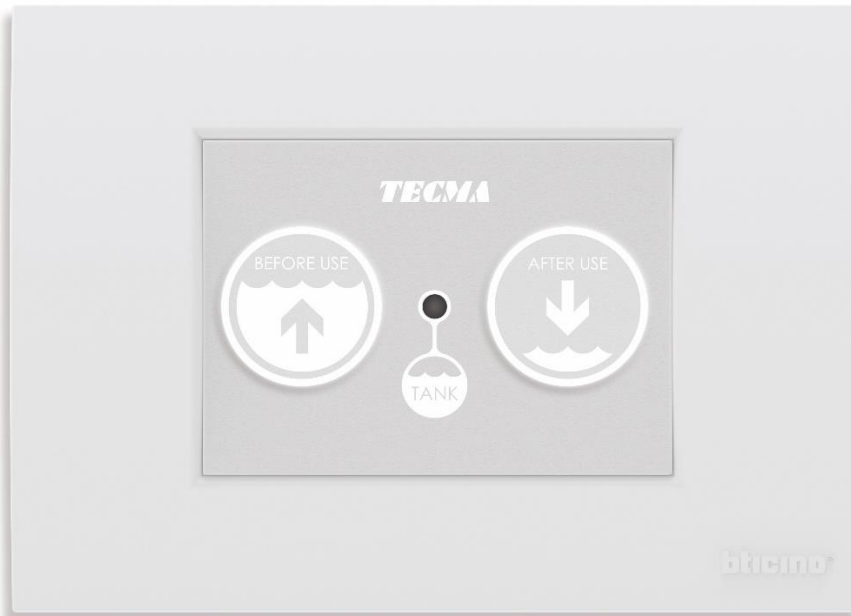


## Multiframe Two Level Sensors Control Panel

### INSTALLATION



### ENG - INSTALLATION PROCEDURE

1. Fix with two screws the black *Controller Box* behind the wall.
2. Make the hole for the *Wall Switch* (check the cutout).
3. Pass the *Controller Box-Wall Switch* connection cable through the hole in the wall previously made, from the inside to the outside.
4. Fix the cable to the *Wall Switch*.
5. Set the inlet amount of water with the shaft behind the *Wall Switch*.
6. Fix the *Wall Switch* to the wall with two screws.

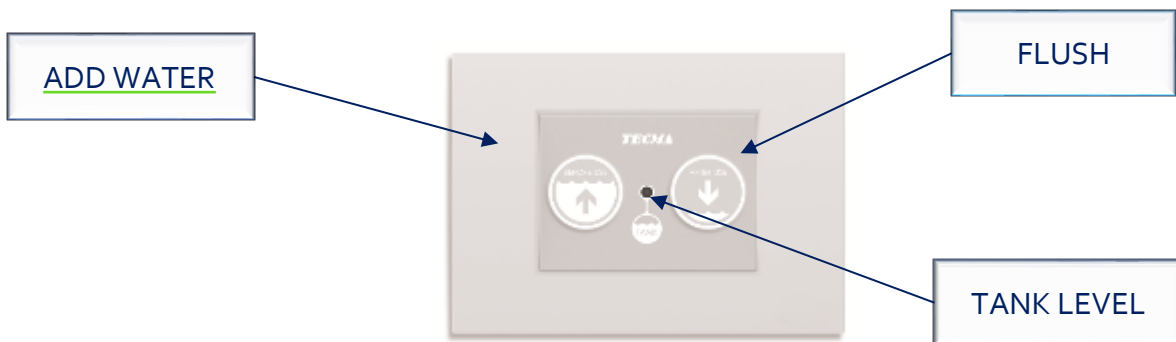


**NOTE:** make sure that the work environment behind the bulkhead is dry, clean and far from every kind of electrical/thermal conduction or any other kind of dangerous sources.

*Functions*

Press the “ADD WATER” button before using the toilet. This will fill the toilet with a small amount of water. Press the “FLUSH” button after using the toilet. This will start the automatic flush cycle, which will empty the toilet.

To avoid possible overflows of water with the “ADD WATER” button, it is possible to inlet water only two times afterward it is mandatory to press the “FLUSH” button to start the macerating pump and empty the toilet.

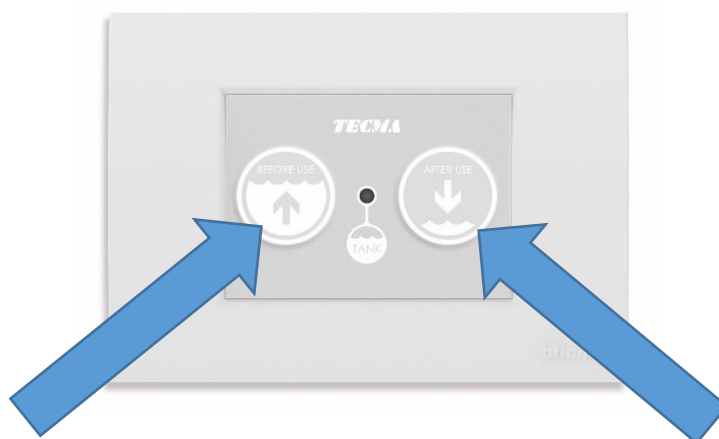


**NOTE:** It is also possible to adjust the amount of water used during every flushing cycle directly from the Multiframe wall switch. A specific regulator placed on its rear increases the amount of water if turned clockwise or decreases it if turned anticlockwise. The recommended water level is 1 cm above the ceramic outlet.

The “Flush” cycle will in any case introduce a quantity of water. If only pump activation is required, see function *Manual pump activation (here below)*

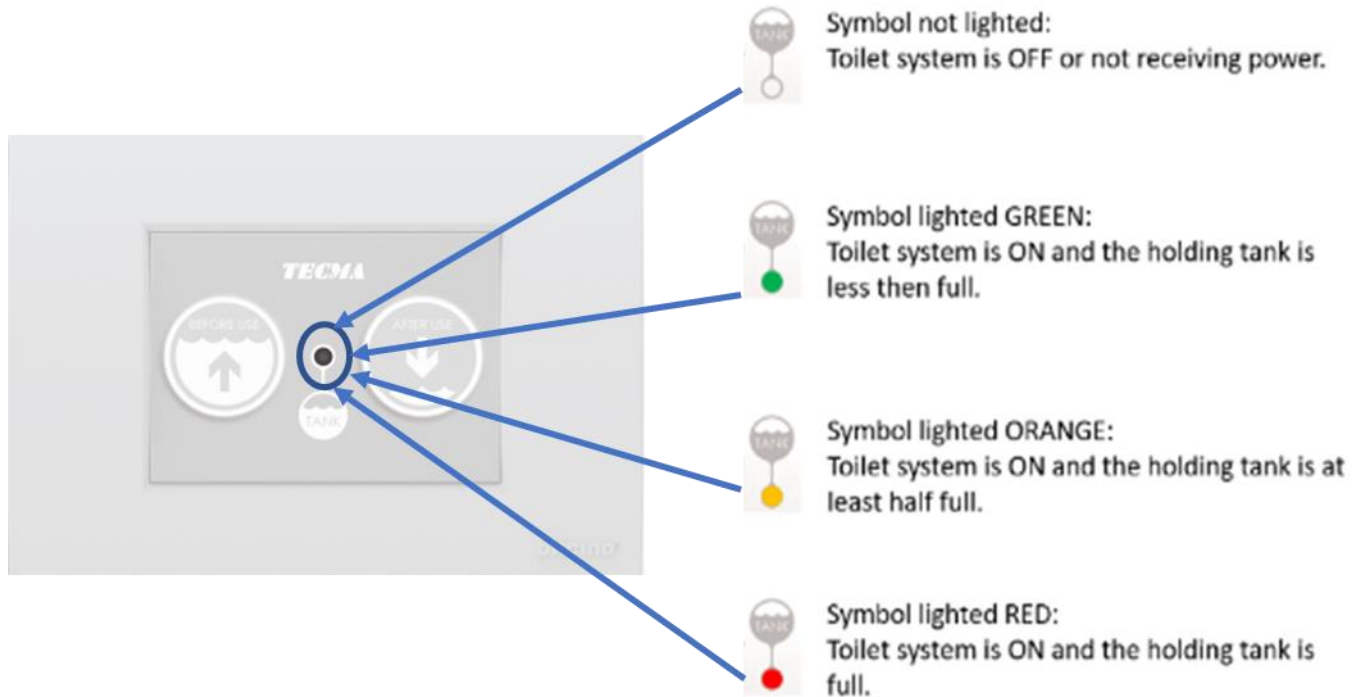
***Pump manual activation (Empty the bowl)***

Press simultaneously both buttons for 4 seconds and afterward release them. The pump will activate to empty the bowl.



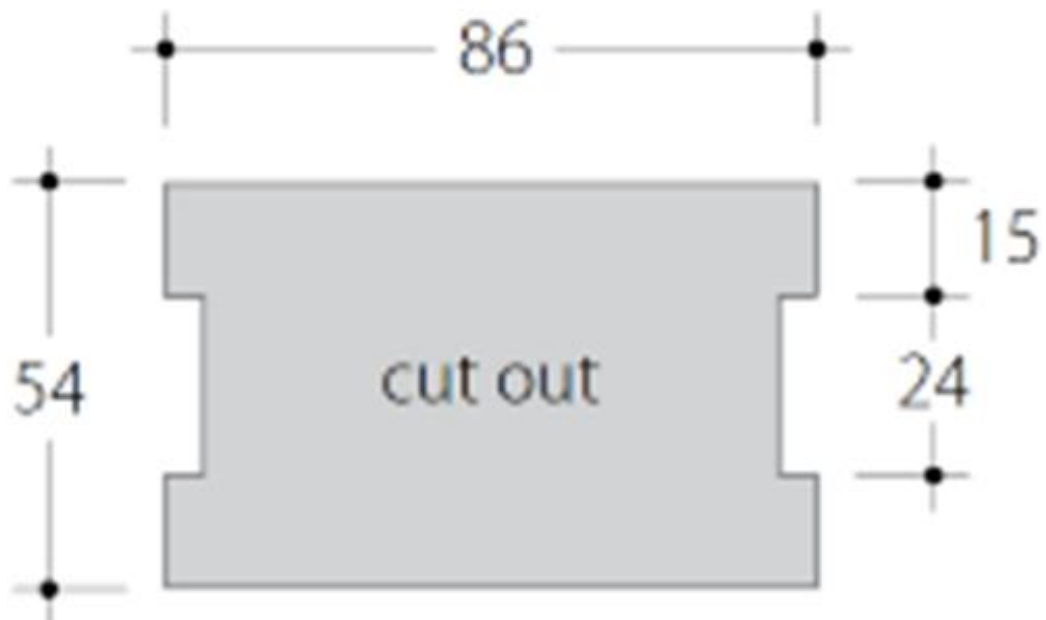
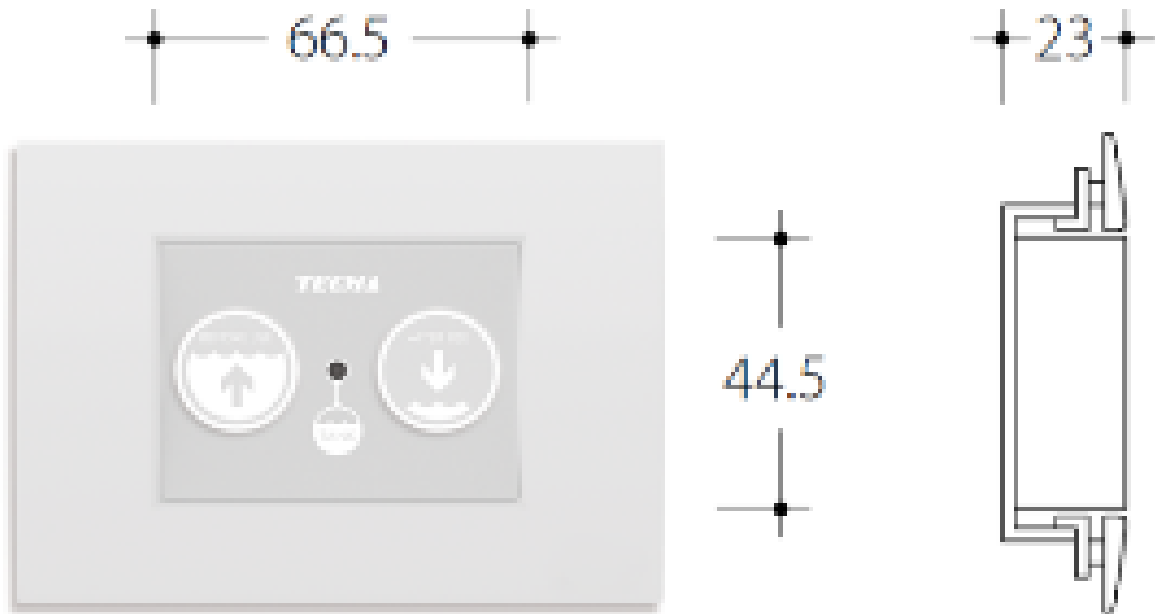
### **Tank level LED – Block function**

The control panel is equipped with a 3-color LED, which indicates the blackwater tank level. As soon as the maximum level is reached, the sensor disables the inlet of water inside the bowl. Only the macerator pump will stay active, this function is useful to avoid black water tank overflow.



*Cut out for Multiframe control panel:*

*Dimensions in mm*

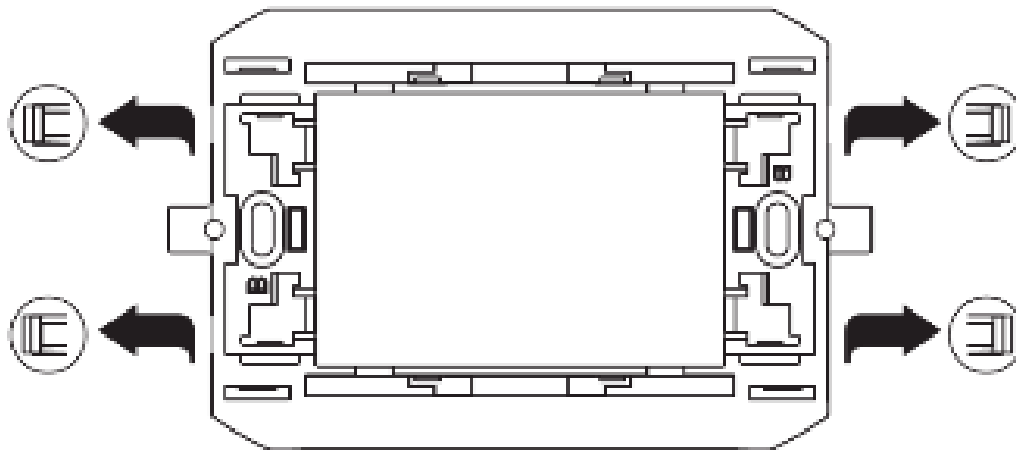




**NOTE:** The Multiframe control unit is supplied as standard with the White Bticino Living Light series frame. For compatibility of Multiframe with commercial frames, refer to the following table:

	Bticino				Vimar			Ave	ABB		Gewiss
	Living Light	Living Tech	Living Light	Axolute	Eikon	Eikon Evo	Plana	S44	Mylos	Chiara	Chorus
<b>FRAME A</b>	x	x	x	x	x	x	x	x	x		
<b>FRAME B</b>										x	x*

\*To install the Chorus line (Gewiss) remove the fins from the *Frame B* (see the picture)



Tank sensors

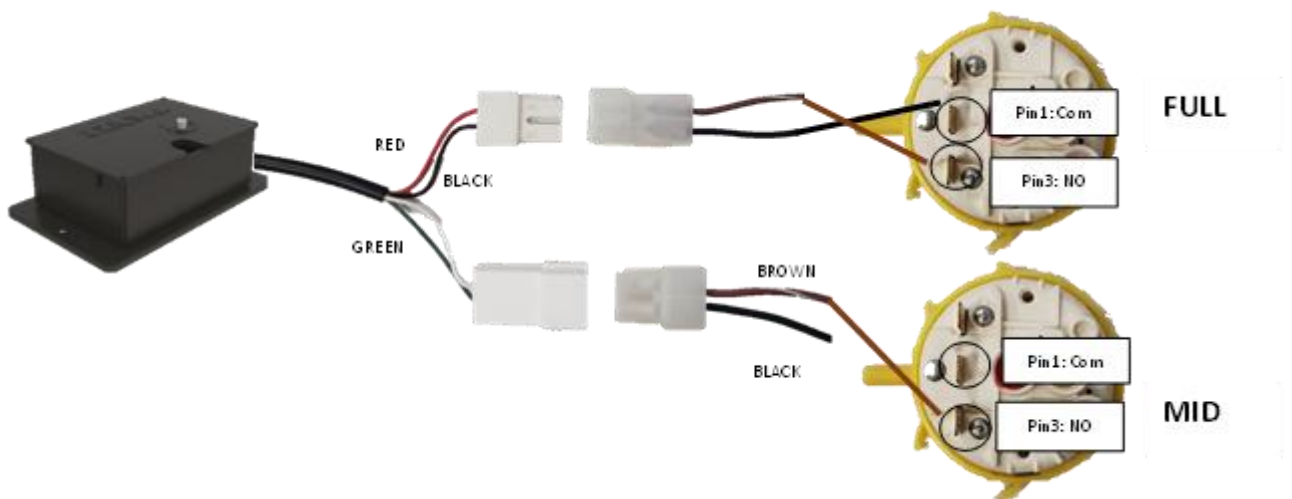
The sensor wiring of the control units can be connected to two sensors, Full and Mid tank sensors.

The Full tank sensor has the following wire colors: Red / Black

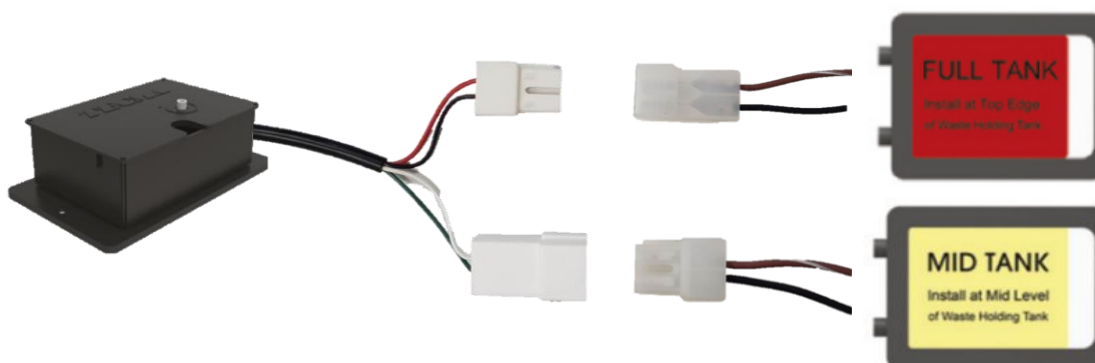
The Mid tank sensor has the following wire colors: White / Green

Is it possible to use the following sensors:

- Sensors with clean contact (float, with the **pressure switch** or similar) which close the contact between the two poles of the connector



- Tecma Inductive sensors (Mirus Cell – Field Effect)





**WARNING:** In any case, do not connect the sensor cable to any power source.



**NOTE:** For the compatibility of the control units with other types of sensors contact Tecma.

### *Field-Effect (Mirus-Cell) sensors*

They can be attached outside of the blackwater tanks (max thickness of 10 mm).

- Full Tank Sensor
- Mid Tank Sensor – Optional

Use isopropyl alcohol (not included) to clean the side of the tank at the top - approximately on the left-right centreline where the sensor will be mounted. When thoroughly clean and dry, firmly press the sensor into place. (Note: Wires can face any direction. The direction of the sensors does not affect its operation).

If available, follow the same procedure for the Mid-Tank sensor. However, keep in mind that it should be assembled on the left-right centreline, approximately half way up the side of the tank.

The Full Tank Sensor has to be attached at the highest point on the tank for the tank's capacity, or where the installer wants the Tank Full level to be. The sensor has a removable cover over the pressure-sensitive adhesive pad.

12V / 24V with Multiframe Wall Switch Diagram (Two Level Sensors)

