



TEMPOMATIC 4

Comfort, water saving, hygiene and easy installation

The new generation of TEMPOMATIC 4 electronic controls combines design, durability and easy installation. It is perfectly suited to the constraints encountered in all types of public and commercial installations in terms of water saving, comfort, hygiene and the fight against bacterial proliferation.



Water saving and comfort

In public and commercial places water consumption is considerable since the mixers and taps are subjected to intensive use and users can sometimes be negligent (forgetting to turn the taps off after use). In addition, water saving controls appear to be a necessity in buildings that are open to the public.

Compared to conventional mixers or taps DELABIE's electronic controls can achieve considerable water savings since there is no continuous flow during use. **They close automatically** when the hands are removed from the detection zone.

The length of time that the water flows is therefore reduced strictly to that necessary (for wetting and rinsing) and the automatic shut-off avoids any risk of waste (forgetting to turn off the tap).

Moreover, the TEMPOMATIC 4 is fitted with a flow straightener set at 3 litres per minute which enables water savings of more than 90% compared to a conventional mixer/tap. The user's comfort is maximised while the water bill is optimised.



Hygiene and the fight against bacterial proliferation

As well as the advantages of water saving, electronic controls also appear to be the best response to the need for hygiene and the fight against bacterial proliferation.

TEMPOMATIC 4 considerably reduces the spread of germs, due to its automatic operation. As with all of DELABIE's electronic controls, the TEMPOMATIC 4 is controlled by infrared presence detection: the water flows when the hands are passed in front of the sensor (no germ deposits) and the shut-off is automatic when the hands are removed from the detection zone. **The lack of manual contact avoids the spread of germs by hand.** In comparison, a conventional mixer is contaminated through manual contact before washing, and the user becomes infected through manual contact after washing.

The two principle factors that lead to bacterial development (Legionella and other infectious bacteria) in the water system are stagnant water and temperatures below 50°C. To prevent water stagnation (water controls that are unused for more than 24 hours), the TEMPOMATIC 4, as with all DELABIE's electronic controls, features an **automatic anti-bacterial duty flush**. An automatic flush for approximately 45 seconds occurs every 24 hours after the last use. As a result, the bacteria do not have the time to develop.

In addition, the TEMPOMATIC 4 features the new anti-bacterial solenoid valve. All electronic controls on the market are fitted with a standard solenoid valve equipped with a rubber membrane behind which there is stagnant water which is not renewed. This provides ideal conditions for bacteria to proliferate. To overcome this problem, DELABIE have developed and patented a solenoid valve **with no membrane**. As a result, water **does not stagnate in the mechanism** (it is drained and refreshed with every use) and the self-cleaning calibrated groove reduces the build-up of impurities.

The TEMPOMATIC 4 is also fitted with a **hygienic flow straightener** with a honeycomb design in a scale proof material. In comparison with a traditional aerator, scale takes ten times longer to build-up on the DELABIE flow straightener. In effect it prevents water retention and scale build-up, reducing the niches where bacteria can multiply.

It is also supplied with **PEX flexible supply hoses**. This type of flexible will withstand the thermal and chemical shocks that are undertaken in the healthcare sector for preventative or curative treatments against Legionella.

Easy to install

Fitting a standard electronic mixer or tap requires special installation. Provision must be made for the electrical supply, the connections, and for mounting an electrical unit with transformer. In certain circumstances this may become onerous.



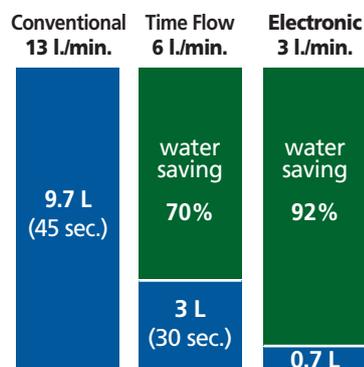
To overcome this problem, DELABIE has developed a range of electronic controls with the electronic unit, solenoid valve and Lithium battery integrated in the mixer body. This technology enables the TEMPOMATIC 4 to be installed quickly and easily anywhere, even at isolated points-of-use, without any electrical connection. There is no need for any specific adjustments and the mixer or tap will function independently for 3 to 6 years (average battery life).



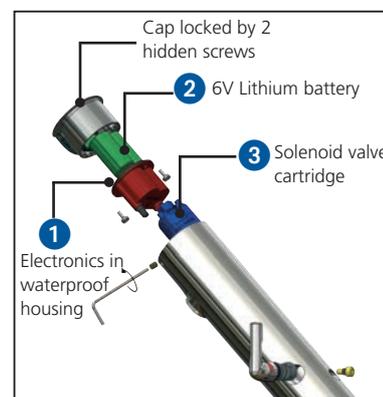
TEMPOMATIC MIX 4:
mixer option, available with or without stopcocks.



The **new solenoid valve with piston** (patented) for battery-operated taps, limits bacterial development and avoids water-hammer when the valve closes.



Water Saving per Operation



Press Contacts

For UK markets only:

Carole Armstrong, Marketing Department UK
Tel. (01491) 824449 -
carmstrong@douglasdelabie.co.uk

For All other markets:

Delphine Bussiere, Marketing Department France
Tel. +33 (0)6 3 37 26 46 -
delphine.bussiere@delabie.fr