

## **THERM-O-TRONIK** SMART ELECTRONIC MIXING VALVE

The **THERM-O-TRONIK** is a smart mixing valve without maintenance, with a powerful algorithm offering you the possibility to adjust the temperature with a very accurate set point of  $\pm 1^{\circ}\text{C}$  \*.

The **THERM-O-TRONIK** technology is based on a **high-performance closed-loop algorithm** that does not require any mechanical bi-metal thermostat found in traditional mixing valves. Accuracy and response time are greatly superior and the issues of mechanical cartridge and/or strainers blockages are nonexistent. Moreover, no seasonal temperature adjustments are necessary.

The desired temperature set point may be input on the **THERM-O-TRONIK** directly or remotely *via* an interface (sold separately), or by Modbus communication and / or a Web interface.

When the **THERM-O-TRONIK** is used for hot water network in buildings, disinfections can be programmed for automatic and / or manual starts.

The temperature and disinfection history can be saved on an SD card.

### **Main features of the THERM-O-TRONIK:**

- Easy and quick commissioning
- Temperature accuracy (closed-loop control)
- No seasonal fluctuations
- Adjusts to hot and cold water pressure fluctuations
- Can be operated manually in case of power outage
- Manual and / or automatic modes of disinfections
- Data traceability (SD card, CSV format)
- No loss of load with high Cv coefficient design
- Set point may come from the building management system (Modbus and / or dry contact)



Several options are available, please contact OBLX to customize your smart electronic mixing valve solution.

Model	Diameter	Cv	Supply
OBMI-050	0.5"	16	24 VDC
OBMI-075	0.75"	24	24 VDC
OBMI-100	1.00"	30	24 VDC
OBMI-150	1.50"	37	24 VDC
OBMI-200	2.00"	65	24 VDC



**NOTICE :** The **THERM-O-TRONIK** should not be the last hot water supply device for users applications. At the point of usage an Anti-burn cartridge is mandatory.

\* Regulated pressure on hot water and cold water accuracy can be of  $\pm 1^{\circ}\text{C}$ .