

A new era of HVAC hydronic controls

mBox5 and mBox10, a **one-box solution** with easy system setup and programming

Messana Hydronic Technologies has added two new HVAC hydronic controllers to the mControls family: the **mBox5** and **mBox10**.

With similar characteristics to the traditional mBox that integrates with additional mZones (zoning modules) to fulfill the requirements of complex hydronic systems, the new mBox5 and mBox10 provide a simple **one-box solution** for up to 5 or 10 zones.

NEW PRODUCT!



mBox5



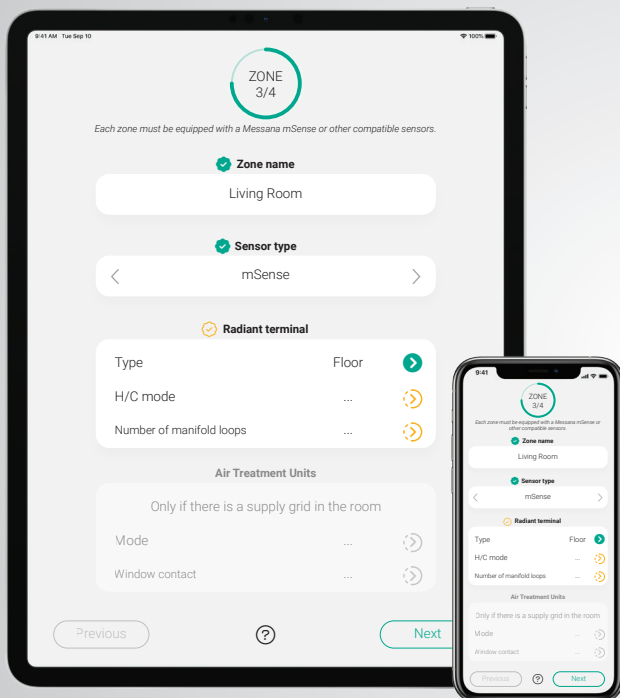
mBox10

To simplify system setup and give the installer complete freedom and flexibility to program the controller, the mBox5 and mBox10 come with a new interactive **configuration wizard**.

Interactive configuration wizard for quick and easy system setup

The configuration wizard is a tool that is completely integrated with the Messana App to allow the contractor to configure the controller in just a few steps. Even for complex hydronic HVAC systems, the controller is easily programmed by entering the system information and parameters, and navigating a set of predefined configuration pages.

The new mBox5 and mBox10 are suitable for small and medium-size hydronic HVAC systems with up to 5 or 10 zones with the following characteristics:



Zones: Up to 5 zones (mBox5) or 10 zones (mBox10). Each zone requires an mSense comfort sensor. Each zone can feature radiant and/or fan coils and one contact window.

Heating and cooling terminals: Radiant ceilings, radiant floors, hydronic fan coils (analog or digital control). Each terminal can be set for both heating and/or cooling.

Air systems: ATUs for HRV (Heat Recovery Ventilation), free cooling, and dehumidification. Controlled via Modbus.

Hydronic systems: Up to three (mBox10) or two (mBox5) independent hydronic systems. Two (mBox10) or one (mBox5) are dedicated to the main heating/cooling terminals with a buffer tank and 3-way valve for temperature control. One additional hydronic system is dedicated to ATUs and/or fan coils as second stage.

DHW: With dedicated tank and recirculation pump (only mBox10).

H/C sources: HP and boiler.

Once the configuration is completed, a wiring table is generated. The table lists every connection to the mBox to make the installation quick and easy. An exhaustive selection of representative mechanical layouts are also available to choose from.

Once the system is set up and running, the configuration tool can be used to make changes.

