

# ***COMPUTHERM Q1RX***

**Wireless (Radio-Frequency)  
Thermostat-Controlled Socket**



*Operating Instructions*



## 1. GENERAL DESCRIPTION OF THE SOCKET

The **COMPUTHERM Q1RX** socket has been developed for thermostats **COMPUTHERM Q3RF, Q5RF, Q7RF** and **Q8RF**, and can be used in addition to/instead of their receiver units. The device is able to control boilers or any other electrical devices operating on 230 V (e.g. fan heaters, pumps, zone valves, etc.). Easy installation and operation, no assembly required. In response to the ON command of **COMPUTHERM Q3RF, Q5RF, Q7RF** and **Q8RF** wireless thermostats, a supply voltage of 230 V appears on the output socket of device **Q1RX** connected to the network, while the OFF command disconnects the device from the network.

## 2. PUTTING THE SOCKET INTO OPERATION

**Warning!** *Modifying the socket can cause electric shock or product failure.*

When choosing the location of the **COMPUTHERM Q1RX** unit you should remember that bulky metal objects (e.g. a boiler, buffer tank, etc.) and metal building structures may have an adverse effect on propagation of radio waves. If it is possible, in order to ensure trouble-free RF connection, we recommend that you install the receiving unit at a height of 1.5 to 2 m and at a distance of 1 to 2 m from the boiler or other bulky metal constructions. We recommend that you check reliability of RF connection at the place selected before installing the receiving unit.

Plug the **COMPUTHERM Q1RX** device into a power socket near the location of the device to be controlled. A few seconds after the LED

lights of the device flash once, the device becomes ready for operation. After this, you can start tuning the socket and the thermostat (or the socket, the receiver of the thermostat and the thermostat) together.

**ATTENTION!** *Do not install the socket under the housing of the boiler or near hot pipes because it may damage the parts of the device or compromise wireless (radio-frequency) connection.*

### **3. TUNING THE SOCKET AND THE THERMOSTAT TOGETHER**


**ATTENTION!** *If you wish to use the **COMPUTHERM Q1RX** socket in addition to the receiver unit of the thermostat, then the socket, the receiver of the thermostat and the thermostat should be tuned together at the same time, so that they can operate simultaneously.*

Press the “**on/off**” button of the socket (for approximately 10 seconds)

until the green LED light starts flashing. If you also wish to use the receiver unit of the **Q3RF**, **Q5RF**, **Q7RF** or **Q8RF** thermostat, then start the tuning process on that receiver unit too, as described in its manual, so that its green LED light (or red LED light in case of the receiver of the **Q5RF** or **Q8RF** thermostat) starts flashing. After this, tune the devices together according to the manual of the thermostat. If the LED lights stop flashing, then the devices are tuned together.

#### **4. TRANSMISSION DISTANCE INSPECTION**

With the help of the “**TEST**” button you can check whether the thermostat and the socket are within the transmission distance of the radio-frequency connection. To perform the test, press the “**TEST**” button for approximately 2 seconds. Following this, the thermostat will send, alternating every 5 seconds, switch-on and switch-off control

signals for 2 minutes (the  signal appears and disappears alternately on the display). When detecting the **ON** and **OFF** control signals, the red LED light on the socket switches on and off, respectively. When it fails to receive the signals sent by the thermostat, then it is outside the transmission distance of the wireless (radio-frequency) transmitter, thus they have to be placed closer to each other or use a **COMPUTHERM Q2RF** signal repeater to increase the communication distance of the thermostat.

## **5. MANUAL CONTROL OF THE SOCKET**

Pressing the “**MANUAL**” button separates the thermostat from the socket. In this case, the device (e.g. pump) connected to the socket can only be turned on and off manually, without any

temperature inspection. The continuously illuminated green LED indicates “**MANUAL**” mode. Pressing the “**on/off**” button turns on or off the connected device. (The red LED is illuminated when the device is turned on). By pressing the “**MANUAL**” button again, the socket quits manual control and resumes automatic (thermostat-controlled) operation (the green LED goes out).

## **6. AVOIDING EXTERNAL IMPACTS**

Virtually no external devices (a radio, cell phone, etc.) will exert any influence on the operation of the device. Should you experience any operating trouble, please retune the system as described in Section 3.



Warning! The manufacturer does not assume responsibility for any direct or indirect damages and loss of income occurring while the appliance is being used.

## 7. TECHNICAL DATA

- **Power consumption:** 0,01 W
- **Power supply voltage:** 230 V AC, 50 Hz
- **Output voltage:** 230 V AC, 50 Hz
- **Loadability:** 16 A (3 A inductive load)
- **Operating frequency:** 868.35 MHz
- **Weight:** 150 g
- **Storage temperature:** -10 °C – +40 °C
- **Protection against environmental impacts:** IP30



The **COMPUTHERM Q1RX** type wireless thermostat-controlled socket complies with the requirements of standards RED 2014/53/EU and ROHS 2011/65/EU.



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