

## Wiring breadboard

### DESCRIPTION

- v The wiring breadboard is associated with the heating control bench RTC 100 it supplements.
- v A synoptic in color, represents a heating installation composed of several circulators, control valves and temperature probes. These devices supply and manage a boiler, a set of radiators, a heated floor, a mixed DHW tank.
- v In an electrical box, there are 3 power relay, the protection devices (circuit breakers, fuses) and a terminal block of the different components.
- v The wiring is accomplished as a real installation (from the terminal box of the device to the block of the box that represents the terminal block of the controller).
- v The wiring being performed, the breadboard is then connected to the bench controller RTC 100 with the aid of bananas plugs double sink.
- v Thus, the breadboard may be tested to verify proper operation of the wiring.
- v The bench thus been constituted allows the students the learning of wiring of a similar heating installation to those they actually find in the practice of their profession.
- v The wiring unit is delivered complete with technical manual and practical work.



### PEDAGOGICAL APPLICATIONS

- Identification of different elements and their role
- Reading of a wiring diagram
- Electrical wiring of an installation
- Application of wiring rules
- Commissioning and testing
- Troubleshooting

# RTC 110



## DESCRIPTION OF VARIOUS ELEMENTS

- 1– 5 heating circulators
- 2– 2 valve motorized three-way
- 3 – Terminal block devices
- 4 – Double plate sockets connection wells on the RTC 100
- 5– Electrical containment cabinet
- 6– Removable wiring breadboard

### UTILITIES

Electricity: 220 V / 50 Hz

### DIMENSIONS :

Length : 1200 mm

Width : 300 mm

Height: : 800 mm

Weight : 50 kg