

The JA-151TH Wireless temperature detector

JA-151TH is a component of the **JABLOTRON 100** system. It is used for temperature measurement and forwarding measured data to MyJABLOTRON. MyJABLOTRON analyses and stores received data for further use for instance the SMS reporting exceeding temperature limits or to create graphs of measured temperatures. All functions are programmable directly in MyJABLOTRON. The PG control function can be assigned to a maximum of 2 thermometers per control panel. This product must be installed by a trained technician with a valid certificate issued by an authorised distributor.

Installation

Select the installation place according to the temperature measuring requirements. It is not recommended to install the detector near heat sources affecting measuring (heaters, electric fans, air conditioning outlets, fireplace inserts, etc.). The detector can also be installed in an outdoor environment but it must be placed into a suitable box with a minimum of IP65 rating, the JA-192PL-A for example.

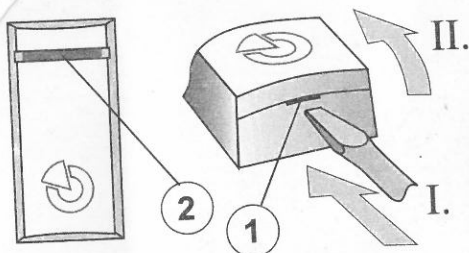


Figure 1: 1 – cover tab; 2 – LED indication

Open the cover by pushing the tab (1).

Attach the plastic base to the required place using screws.

Follow the instructions in the control panel installation manual. Basic procedure:

- Go to the **F-link** software, select the required position in the **Devices** tab and launch the enrollment mode by clicking on the **Enroll** option.
 - The enrollment signal is transmitted when the battery is inserted into the detector.
- Close the detector cover.

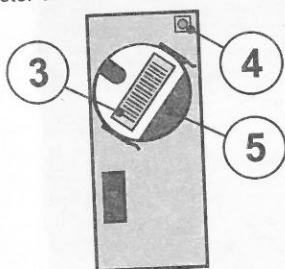


Figure 2: 3 – production code; 4 – activation button; 5 – battery

Note:

- Enrolling the detector to the system is also possible with active enrolment mode by entering the production code (3) via the **F-link** software. All digits in the production code are required (1400-00-0000-0001).
- If you want to remove the detector from the control panel, erase it from its position.

Functions

The JA-114E and JA-154E series of keypads are able to display the current temperatures on the keypad screen. See the JA-10xK

MyJablotron

All thermometers and their measured values are stored and shown in the **Thermostats and Thermometers** tab in MyJABLOTRON. The temperatures are stored automatically every 5 minutes. The temperatures are displayed in a graph with an adjustable timeline. It's possible to export data from the graphs in various formats for further processing. The graph function enables you to compare temperatures from two thermometers or different time periods (only available in the MyJABLOTRON mobile app).

The app offers the following functions:

PG control by measured temperature

Using MyJABLOTRON, it's possible to configure activation of a PG output by a temperature measured by the thermometer. The selected PG output is controlled remotely from MyJABLOTRON therefore stable external communication is necessary for this function to work properly. If this function is selected, the user can use a slider to configure the desired temperature which will activate the PG output. These settings are located in the **Thermostats and Thermometer** tab.

Linking the thermometer with a PG output is done by a service technician in the **Installation management** section of the MyCOMPANY app. Select the control panel, enter the **Devices** tab, press the symbol of a gearwheel on the thermometer and select a PG output which should be controlled by the measured temperature. Use the slider to configure the desired activation temperature. This configured link is indicated by a PG symbol at the thermometer's position.

Warning! The controlled PG output must be configured to have **ON/OFF** or **Impulse** functions (configurable in the F-Link software).

Notes:

- Establishing the link and controlling the PG output by the measured temperature can also be done in the MyCOMPANY and MyJABLOTRON mobile app.
- This function can be configured for a maximum of 2 thermometers enrolled to the control panel (the sum of wireless and BUS thermometers).
- Connection via GSM and LAN communicators is required in order to make sure that PG output control from MyJABLOTRON works properly.
- Due to fact that PG outputs are controlled via an external app, **we cannot guarantee proper functioning under all circumstances.** When the connection with MyJABLOTRON is lost, the status of the PG output stays unchanged until the connection is re-established. This is why we recommend using a controlled PG output along with the **IMPULS** function set to an activation time of 2:00:00. The PG output will be controlled by commands from MyJABLOTRON. If the connection is lost, activation of the PG output will be limited by the activation time of the **IMPULS** function.
- The activation hysteresis of a PG output is $\pm 1^\circ\text{C}$. The PG output will be activated when the measured temperature is 1°C lower than the activation temperature. Deactivation will occur when this temperature is exceeded by 1°C .

Notifying the user when the temperature exceeds the allowed range

You can set a higher and a lower temperature limit and a certain period of time of temperature monitoring for a selected thermometer in **Settings → Thermometer notification**. When one of these limits is exceeded or gone below then it's reported by an SMS, an e-mail or push notifications if you use the MyJABLOTRON app.

Battery replacement

The system sends a report automatically when the battery is low. During the battery replacement it is not necessary to switch the system to service mode (this detector has no tamper contact).

After taking out the battery, presses the activation button (4) to discharge the capacitors in the detector and then insert a new battery.

Apply the same procedure if you need to enroll the detector to the control panel.