Installation instructions

Operation

Pressing for 5 seconds allows the SP set points to be changed (SP1 or SP2).
Pressing for 10 seconds accesses the programming menu.
In the programming menu, it accesses the level or parameter shown on the display, or during the setting of a parameter it accepts the new value.

Pressing for 1 second shows the value of the next probe connected (according to configuration). If there is a third probe available, pressing down once again will show this. After 5 seconds have passed, the device returns to display by default (see parameter P9).
In the programming menu it allows scrolling around the different levels, or during the setting of a parameter, changing its value.

Pressing for 2 seconds activates or deactivates the time programming. If no event has been programmed, it is not possible to activate it.
Pressing for 5 seconds activates clock configuration and events programming.
In the programming menu, it allows scrolling around the different levels, or during the setting of a parameter, its value to be changed.

Pressing for 2 seconds activates/deactivates the Stand-By mode. In Stand-by mode, the unit does not carry out any action and the display only shows the Stand-by indicator.
In the programming menu, it accesses the level or parameter shown on the display.

Pressing for 2 seconds activates or deactivates the ECO mode.
In the programming menu, it exits the parameter without saving changes, returns to previous level or exits programming.

Warnings
- Using the unit not observing the manufacturer’s instructions may alter the appliance’s safety requirements. Only probes supplied by AKO should be used for the appliance to operate correctly.
- The unit should be installed in a place protected from vibrations, water and corrosive gases, where the ambient temperature does not exceed the value indicated in the technical data.
- For a reading to be correct, the probe should be used in a place with no heat influences, apart from the temperature you wish to control.
- The power circuit should be equipped with a switch for disconnection of at least 2 A, 230 V situated near the appliance. The cables will be fed in from the rear and will be types H05VV-F or H05V-K.
- The section to be used will depend on the local standard in force, however must never be less than 1 mm².
- The wiring cables for the contact relays must have a section of 2,5 mm².
- From -40 °C to +20 °C, if the NTC probe is extended to 1000 m with at least 0.5 mm² cable, the maximum deviation will be 0.25 °C (cable for probe extension ref. AKO-15586).

ATTENTION: The equipment is not compatible with AKO-14917 (external communication module) and AKO-14918 (programming key).

Installation

Operation start-up
Upon being supplied with power the equipment will start up in WIZARD mode (INI/1 flashing), press ▲ or ▼ to select the most suitable application.
1: Compact devices
2: Compact devices with auxiliary tank
3: Systems with independent accumulator *
4: Systems with independent accumulator and auxiliary tank *

*Not available in AKO-D14810 / D14810-R.

Upon pressing down SET, the wizard configures the device parameter to the application type chosen.

Then it asks for date and time configuration using these parameters:
r1: Hour
r2: Minute
r3: Day
r4: Month
r5: Year
Press SET in order to validate each value. When this is completed, the device shows the temperature of probe 1 and regulation begins.

Time programming
This function allows up to 5 events to be programmed (Et1 to Et5). In each event, the following events must be defined:

On1-S: It activates/deactivates event
h1-1-S: It sets the event start hour
h1-1-S: It sets the event finish minute
hF1-5: It sets the event end hour
nF1-5: It sets the event end minute
SE1-5: It sets the day or days of the week on which the event will start

tE1-5: It sets the type of event to be started between two options (1):
0: The device goes into Stand-by mode
1: The device goes into ECO mode

In order to access events programming, press the ▼ key down for 2 seconds and select one of the following options:

rTC: It sets the clock parameters (date and time)
Et1 ... Et5: It sets the parameters from events 1 to 5 respectively

(1): The AKO-D14810/D14810-R devices are not equipped with ECO mode, so this parameter is not available. It is only possible to programme events in Stand-by.