

User manual

ALFA 70-KLEP

Air valve control



VDH doc. 080594

Version: v1.0

Date: 24-04-2008

Software: ALFA70-KLEP

File: Do080594.WPD

Range: 0-600 sec.

* Installation.

On the upper side from the **ALFA 70-KLEP** is shown how the input, supply and relay should be connected. A self test is started as soon as the power supply is connected to ALFA 70-KLEP. After the self test the normal operation will start.

* Control.

The **ALFA 70-KLEP** can be controlled by four push buttons on the front:

- up** - Raise the value
- down** - Lower the value
- set** - Read out and change the pause time
- sec.** - Read out the actual puls or pause time (Hidden key)

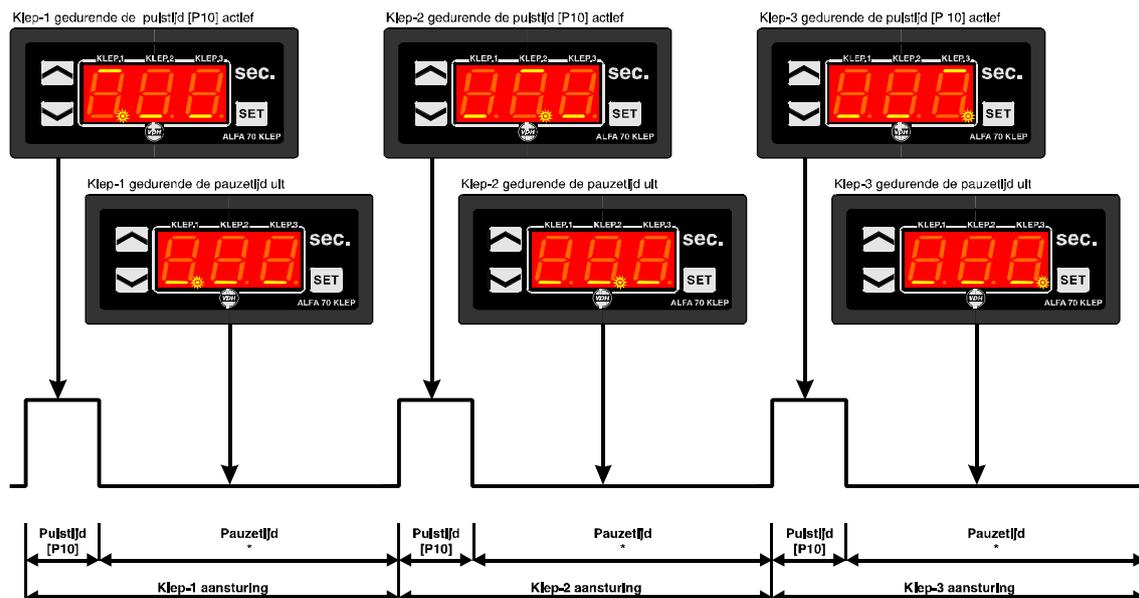
* Working description.

Only the active valves (see P01 till P03) are working together in the sequence 1-2-3-1-2-3 etc. (F.i. if only valve 1 and valve 3 are active the sequence will be 1-3-1-3 etc.)

The first active valve always starts with the pulse time (adjustable with parameter P10), hereby the corresponding dot will flash and the upper segment from the corresponding display will be on. After the pulse time starts the pause time (can be read out with the **SET** key and changeable with **UP** and/or **DOWN** key as long as the **SET** key is pushed.) The dot stays flashing while the lower segment from the display is on. (See drawing below.)

From the not active valves the middle horizontal segment is on.

Bedrijfsstatus:



*) Pauzetijd is via SET toets op front uit te lezen en instelbaar met UP en/of DOWN toets zolang SET toets wordt ingedrukt.



* **Read out and change the pause time.**

By pushing the **SET** key the pause time appears on the display. By pushing the **SET** key and the **UP** or **DOWN** key simultaneously the time can be changed.

The pause time is adjustable from 0 till 600 seconds.

If no key is pushed for more than 10 seconds the **ALFA 70-KLEP** returns to it's normal status.

* **Read out actual pulse and pause time.**

By pushing the hidden **sec.** key the display will show how long the actual pulse or pause time will last.

If no key is pushed for more than 10 seconds the **ALFA 70-KLEP** returns to it's normal status.

* **Adjusting internal parameters.**

By pushing the **down** key for more than 10 seconds the internal parameter menu will be entered. On the display appears '**P x**'.

With the **up** or **down** key the required parameter can be selected (see the table for the parameters).

When the required parameter is selected, the value from this parameter can be shown by pushing the **set** key. By pushing the **up** and **down** key the value can be changed.

If no key is pushed for more than 20 seconds the **ALFA 70-KLEP** returns to it's normal status.

* **Error messages.**

On the display from the **ALFA 70-KLEP** the following error messages can appear:

EEE - Adjustments are lost.

Solution EEE:

- Reprogram the adjustments.



* **Technical details.**

Type : ALFA 70-KLEP
 Range : 0-600 seconds (1) pause time
 0-60 seconds (0,5) pulse time
 Supply : 12Vac 50/60Hz (-5/+10%)
 Read out : 3-digits 7-segments display
 Relay : Ry1 = valve-1 SPST(NO)250V/8A (cos ϕ =1) of 250V/5A (cos ϕ =0.4)
 Ry2 = valve-2 SPST(NO)250V/8A (cos ϕ =1) of 250V/5A (cos ϕ =0.4)
 Ry3 = valve-3 SPDT(NO,NC) 250V/8A (cos ϕ =1) of 250V/5A (cos ϕ =0.4)
 Control : by push buttons on the front.
 Front : Polycarbonate IP65
 Sensors : n/a.
 Dimensions : 35 x 77 x 71,5mm (hwd)
 Panel cut out : 28 x 70mm (hw)
 Accuracy : n/a.

- Provided with memory protection during power failure.
- Connection with screw terminals on the back side.
- Special versions are available upon request.

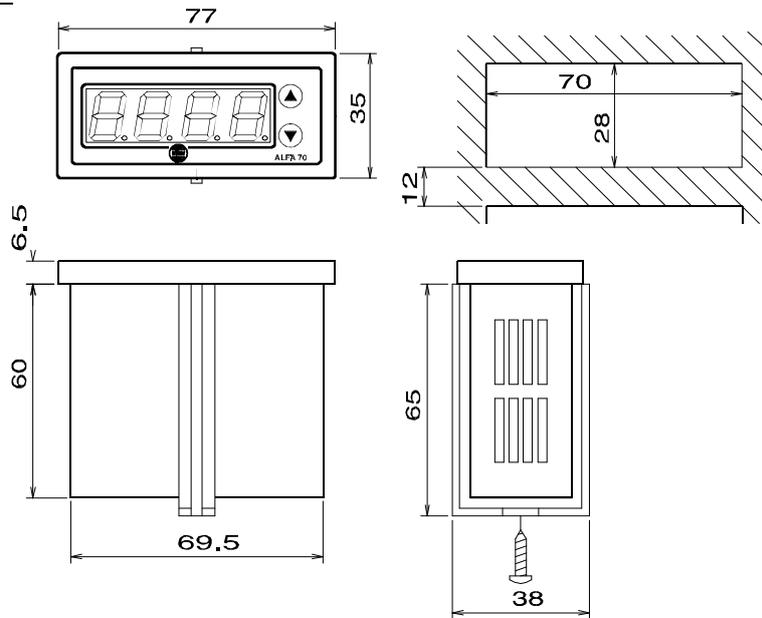
* **Parameters ALFA 70-KLEP**

Para-Meter	Description	Range	Default value
01	Valve-1 active (0=no, 1=yes)	0...1	1
02	Valve-2 active (0=no, 1=yes)	0...1	1
03	Valve-3 active (0=no, 1=yes)	0...1	1
10	Pulse time adjustments	0.0...60.0 (0.5) Sec.	30.0
95	Software version	0..255	-
96	Production year	00..99	-
97	Production week	1..52	-
98	Serial number (x1000)	0..255	-
99	Serial number (units)	0..999	-

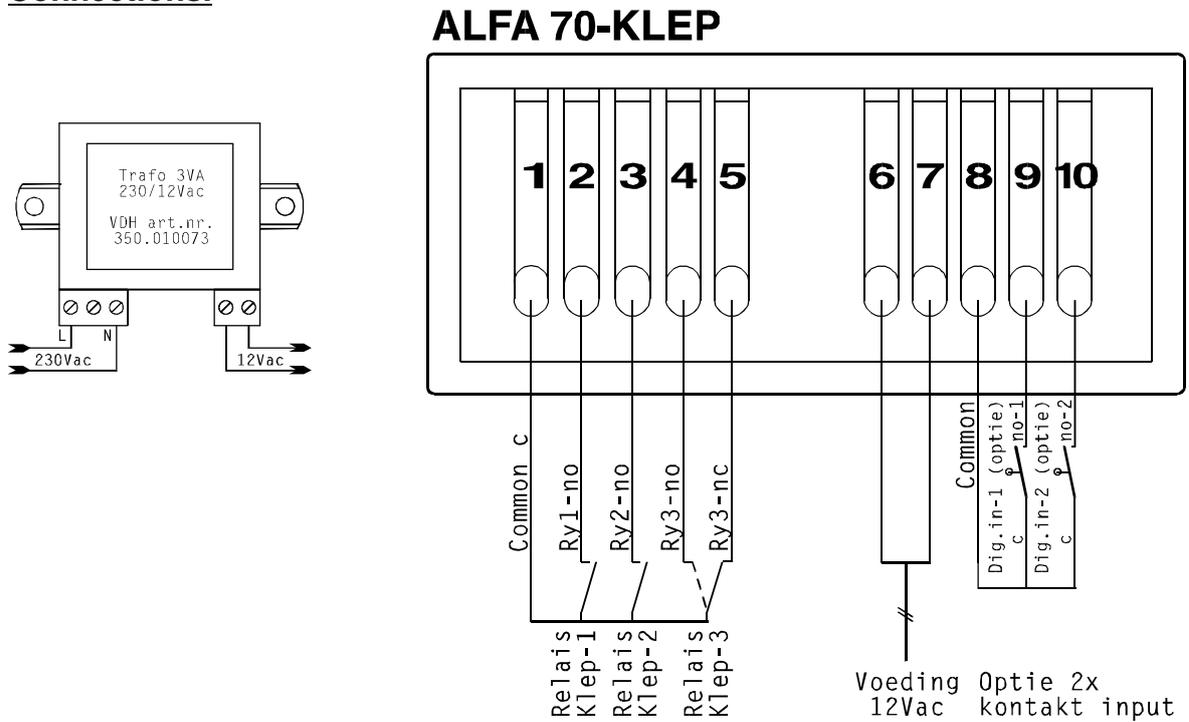
Parameter 95 till 99 are not adjustable..



* **Dimensions.**



* **Connections.**



* **Address.**

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