

# User manual

## ALFA 71 Hz

Frequency set point controller  
0-10Vdc = 0-100 Hz



VDH doc. 080596

Versie: v1.0

Datum: 24-04-2008

Software: 072296 ALFA71\_Hz

File: DO080596.WPD

0-100Hz (1)

### \* Installation.

On the upper side of the **ALFA 71 Hz** is shown how the power supply and the output should be connected.

A self test is started after the **ALFA 71-Hz** is connected to the power supply. After the self test is completed, the adjusted frequency appears on the display

### \* Control.

The **ALFA 71 Hz** controller can be controlled by four push buttons on the front:

- SET** - viewing / changing from the adjusted value and resetting from the alarm.
- UP** - raising the adjusted value.
- DOWN** - lowering the adjusted value.
- MODE** - hidden key above the **SET** key

### \* Changing the set point.

Push the **SET** key and release it. Push the **SET** key again and now the set point can be changed by pushing the **UP** or **DOWN** key simultaneously with the **SET** key. If no key is pushed for a few seconds the **ALFA 71 Hz** will return to it's normal operation.

### \* Output voltage

By pushing the hidden **MODE** key, the output voltage will appear on the display.

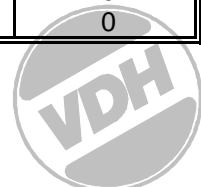
### \* Internal parameters.

Besides the adjustments from the set points it is possible to adjust the internal parameters. By pushing the **DOWN** key for more than 10 seconds, the internal parameter menu will be active. This is shown by flashing from the upper and lower segment from the most left display. With the **UP** and **DOWN** key it is possible to chose the required parameter. When the required parameter is selected, the value from this parameter can be read out by pushing the **SET** key. By pushing the **UP** and **DOWN** keys the value can be changed. (Keep the **SET** key pushed).

If no key is pushed for 20 seconds, the **ALFA 71-Hz** will return to it's normal operation mode and the changes will be stored.

### \* Parameters ALFA 71 Hz

Para-Meter	Description Parameter	Range	Default value
01	Minimum adjustable set point	0..100	50
02	Maximum adjustable set point	0..100	70
03	Output voltage at minimum set point	0.0..10.0	0.5
04	Output voltage at maximum set point	0.0..10.0	4.5
95	Software version	0..255	0
96	Production year	00..99	0
97	Production week	1..52	1
98	Serial number (x1000)	0..255	0
99	Serial number (units)	0..999	0



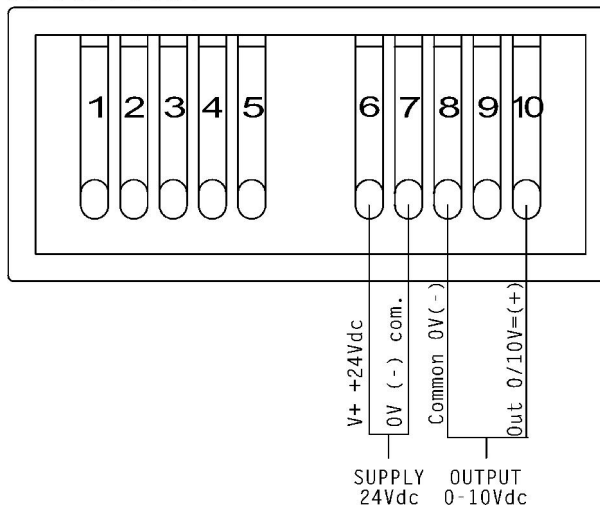
\* **Technical details.**

Type	: ALFA 71 Hz set point controller
Range	: Adjustable from 0/+100 Hz, per 1 Hz
Supply	: 24Vdc (18-30Vdc), 1,2VA
Read out	: 3-digits 7-segments display
Control	: With push buttons on the front.
Front	: Polycarbonate IP65
Output	: Adjustable from 0-10Vdc
Dimensions	: 35 x 77 x 71,5mm (hwd)
Panel cut out	: 28 x 70mm (hw)
Accuracy	: $\pm 0,5\%$ from the range.

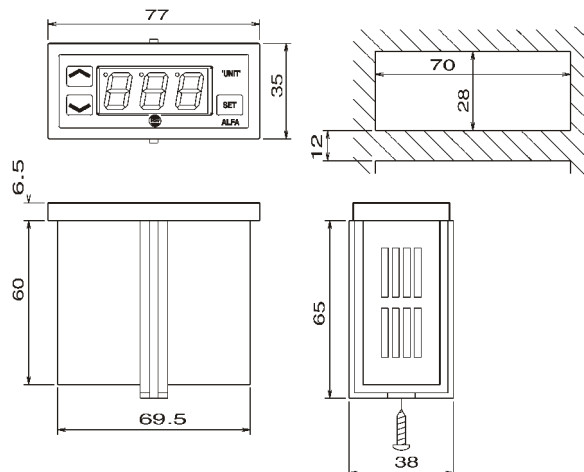
- Provided with memory protection during power failure.
- Connection with screw terminals on the back side.
- Special versions are available upon request.

\* **Connections.**

**ALFA 71 Hz**



\* **Dimensions.**



\* **Address.**

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