

## USER'S MANUAL

SCMI-01

USBCommunicator





## 1. Introduction

USBCommunicator allows easier and faster setting of SCMI-01 and is available on mini CD or on our website [www.sinclair-solutions.com](http://www.sinclair-solutions.com). USBC software can also display current setting of SCMI-01 module.

## 2. Preparation

Mini USB cable is needed for communication between computer and SCMI-01 module. This cable is not included in standard package.



Fig 1: Mini USB cable

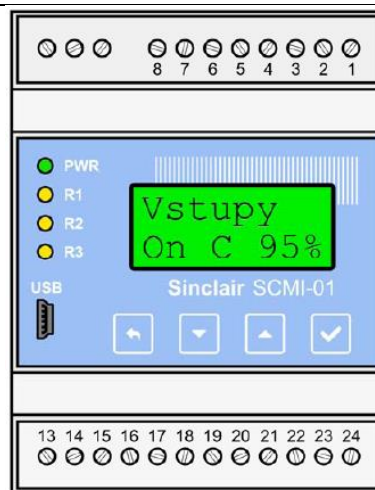


Fig 2: Front panel of module

Connect the SCMI-01 module with computer using mini USB cable (Fig 1). Display of module will turn on after successful connection.

## 3. SCMI-01 setting via USBCommunicator

### Application bookmark

Here you can find the information about this software ("About"), select the language ("Language") and you can also close whole application ("Close").

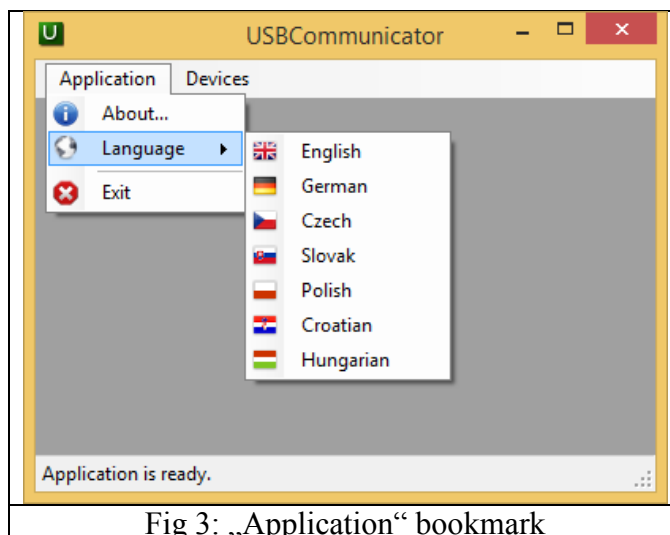


Fig 3: „Application“ bookmark

## Device bookmark

This option shows „Supported devices” interface. To set SCMI-01 module, choose SCMI Sinclair driver option. USBC software will automatically detect SCMI-01 device after you connect it to computer.

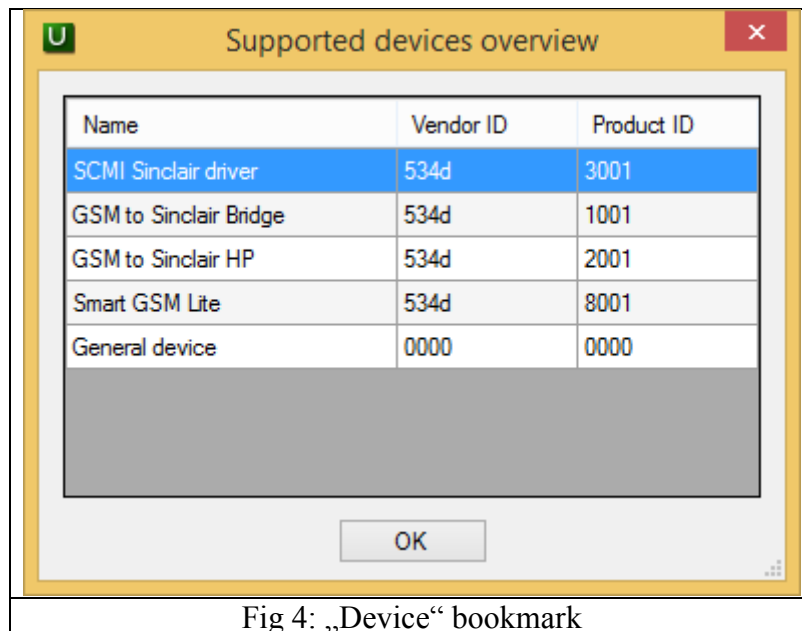


Fig 4: „Device“ bookmark

The setting options in USBC software are the same as options in SCMI-01 module itself. You can find detailed information about each feature in user manual for SCMI-01 module. Additionally, you can clear errors log history and set DC fan speed.

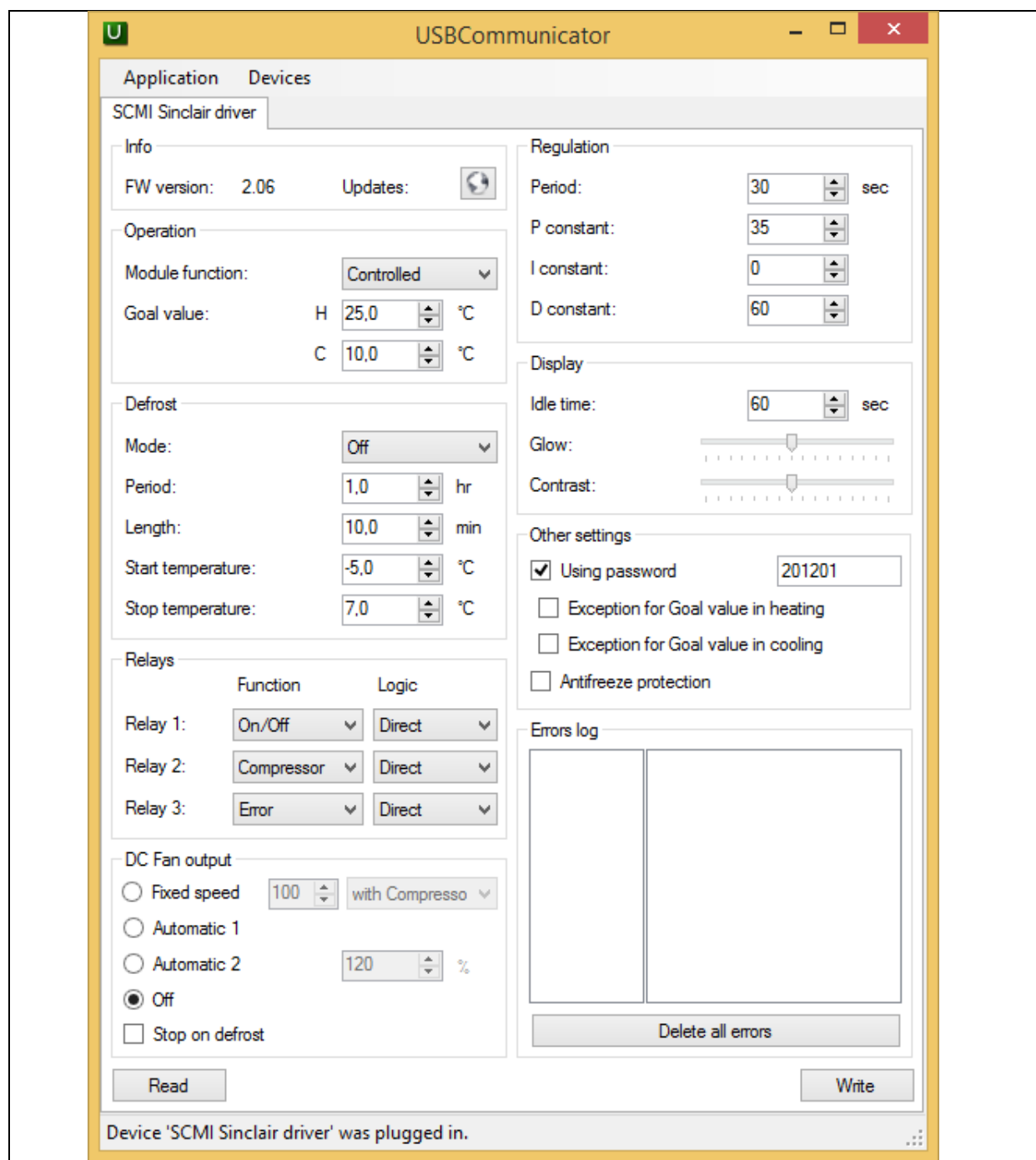
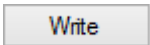
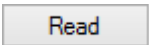



Fig 5: SCMI Sinclair driver interface

Main menu	Submenu/Option			Range	Default	Note:	
Target value	Setting of desired temperature; this menu is not accessible in the slave mode.			-10 to +60	+10,0°C	p. 7	
Function	Operated	Slave unit mode. The module is controlled by an external voltage 0-10V.			Operated	p. 8	
	Reg. P	Autonomous pressure (evaporation temperature) control mode				p. 9	
	Reg. T*	Autonomous temperature control mode for cooling				p. 10	
	Reg. T+	Autonomous temperature control mode for heating					
Defrost	Mode	Off	Defrosting of indoor unit evaporator is not in use		Off	p. 11	
		External	Defrosting with external support (heating cable etc.)				
		Reverse	Defrosting by switching from cooling to heating mode.				
	Period	Setting the minimum time period between defrosting cycles		0.1 to 99.9	1 hour	p. 12	
	Length	Setting the maximum duration of defrosting		1.0 to 60.0	10 min		
	Start	Setting the temperature to start defrosting		-20 to +5,0	-5,0°C	p. 13	
	Stop	Setting the temperature to stop defrosting		+3 to +25.0	+7,0°C		
	Outputs	Relay 1	Function	ON/OFF	Relay is controlled by On/Off input.		On/Off
Compres.				Relay is controlled according to the compressor			
Defrost				Relay is controlled according to the operation (Heat/Cool)			
Error				Relay is controlled according to the error state			
Heat/Cool				Relay is controlled according to the operation (Heat/Cool)			
Limiting				Relay to limit the long lasting compressor load.			
Logic			Direct	Relay switches with direct logic		Direct	
			Inverse	Relay switches with inverse logic			
Relay 2		Function	This setting is the same as setting the Relay 1			Compres.	p. 15
		Logic	This setting is the same as setting the Relay 1			Direct	
Relay 3		Function	This setting is the same as setting the Relay 1			Error	
		Logic	This setting is the same as setting the Relay 1			Direct	
DC Vent		Fixed	Setting the speed and mode (Co, Fa, On) of the indoor fan			Off	
		Auto 1	Fan speed according to compressor speed 1:1				
		Auto 2	Fan speed of 60-200% of compressor speed				
		Off	Output not used				
Reg.cons	Time con	Setting the time constant of the module.		10 to 999	30 sec.	p. 16	
	Prop.con	Setting the proportional constant of the module.		0 to 999	35		
	Int.cons	Setting the integral constant of the module.		0 to 999	0		
	Der.cons	Setting the derivative constant of the module.		0 to 999	60		
Display	Backlight	Setting the LCD backlight.		1 to 16	8	p. 17	
	Contrast	Setting the LCD contrast.		1 to 16	8		
	Time gap	Setting the time period of the operator inactivity		10 to 999	60		
	Language	Setting the language version		CZ / EN	EN	p. 18	
Password	Enter the password <b>before setting the module</b> . After logging in, you can perform setting for about 30 minutes. Without knowing the password, you can only adjust the contrast and backlight brightness of the display.				201201	p. 6	

Tab 1: Summary of the module settings

After setting is done, click on “Write”  button to save all parameters in module memory. All saved parameters can be displayed by clicking “Read”  button.

#### 4. Language update of SCMI-01 module

Click on “globe” icon  in SCMI Sinclair driver interface (as shown in fig 5). In the dialog window you need to open “languages” folder located in downloaded files/on mini CD and choose desired language set (XXX.RAW file). Each language set consists of two languages – English and the chosen one (DE, PL, CZ, HR, HU).

#### 5. Password

You can change or deactivate password via USBC software.

# NOTE CONCERNING PROTECTION OF ENVIRONMENT

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This product must not be disposed of via normal household waste after its service life, but must be taken to a collection station for the recycling of electrical and electronic devices. The symbol on the product, the operating instructions or the packaging indicate such disposal procedures. The materials are recyclable in accordance with their respective symbols. By means of re-use, material recycling or any other form of recycling old appliances you are making an important contribution to the protection of our environment. Please ask your local council where your nearest disposal station is located.

In case of quality problem or other please contact your local supplier or authorized service center.

**Emergency number: 112**

## PRODUCER

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## REPRESENTATIVE

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