**MyJ Sensores** 

# TEMPERATURE AND ENVIRONMENT MONITORE \* CONTROL \* ALERT \*

RECORD \* ANALYZE

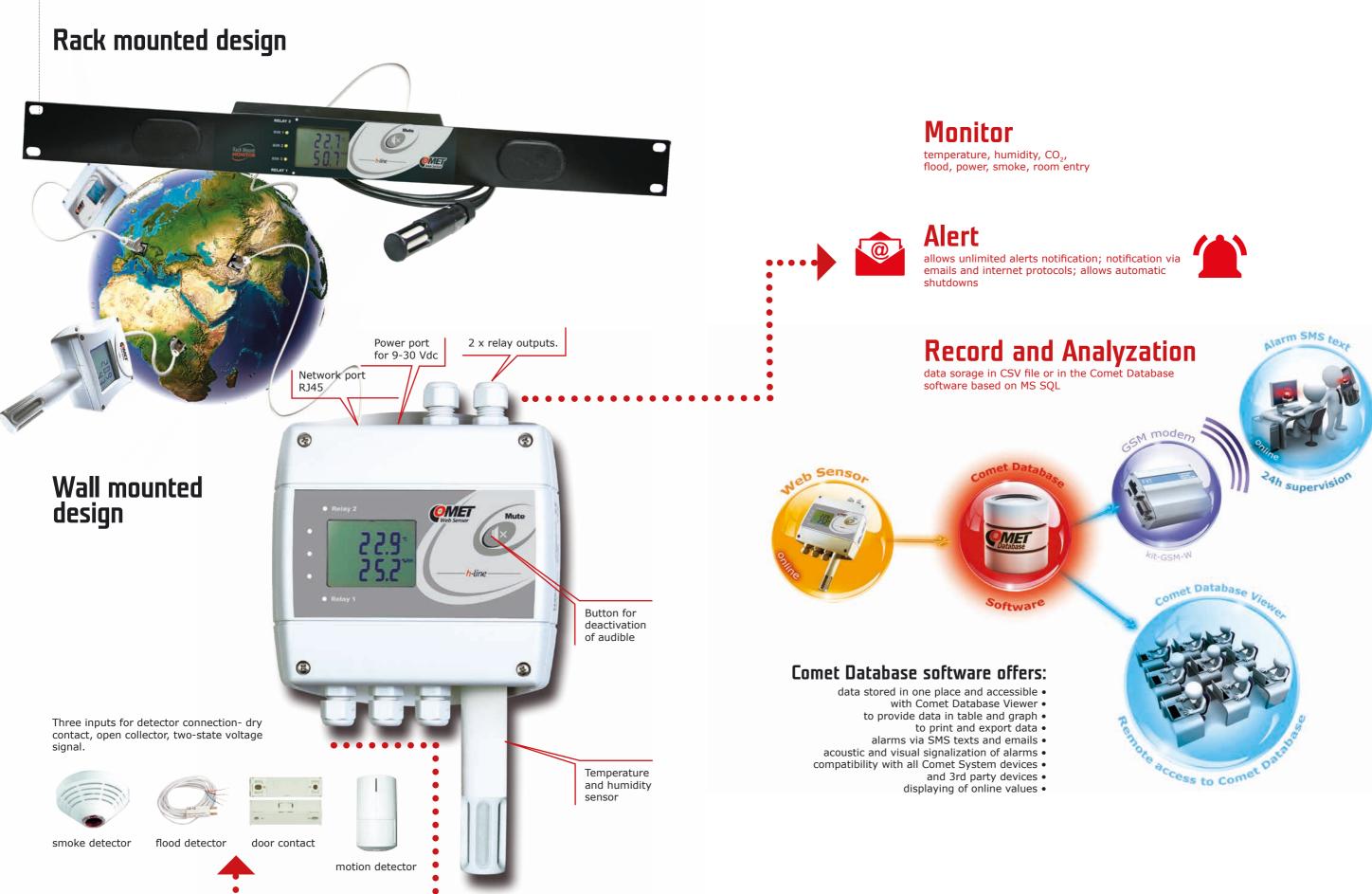


## A Solution for every need and every budget

Offers built-in temperature and humidity sensors and allows external detectors to be added



www.myj-sensores.com

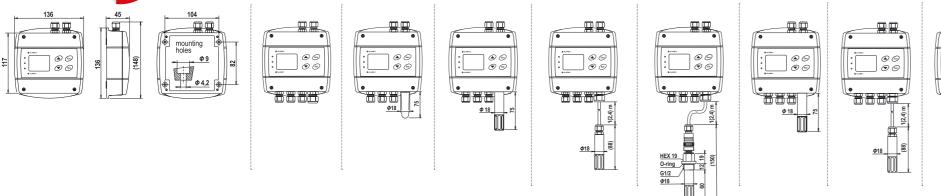


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## MyJ Sensores



Measured values		Tempe	erature	Ten	nperature, relative h	umidity		elative humidity, ressure	Temperature, relative humidity, CO <sub>2</sub>	C	.0 <sub>2</sub>	Temperature	Temperature, relative humidity
SENSOR MODEL		H4531	H0530	H3530	H3531	H3531P	H7530	H7531	H6520	H5524	H5521	H4531R	H3531R
	range	-200 to +600 °C	-30 to +80 °C	-30 to +80 °C	-30 to +105 °C		-30 to +80 °C	-30 to +105 °C	-30 to +80 °C	-	-	-200 to +600 °C	-30 to +105 °C
temperature	accuracy	±0.2 °C without temp. probe	±0.4 °C	±0.4 °C	±0.4 °C		±0.4 °C	±0.4 °C	±0.4 °C	-	-	±0,2 °C without tempera- ture probe	±0.4 °C
relative humidity**	range	-	-	0 to 100 % RH	0 to 100 % RH		0 to 100 % RH	0 to 100 % RH	0 to 100 % RH	-	-	-	0 to 100 % RH
	accuracy	-	-	±2.5 % RH	±2.5 % RH		±2.5 % RH	±2.5 % RH	±2.5 % RH	-	-	-	±2.5 % RH
atmospheric pressure**	range	-	-	-		-	600 to 1100 hPa	600 to 1100 hPa	-	-	-	-	-
	accuracy	-	-	-		-	±1.3 hPa	±1.3 hPa	-	-	-	-	-
an QUALITY	range	-	-	-		-	-	-	0 to 2000 ppm	0 to 2000 ppm	0 to 10 000 ppm	-	-
	accuracy	-	-	-		-	-	-	* ± (50 ppm+2 % value)	* of measured	± (110 ppm +5 % of mea- sured value)	-	-



## If you want to intagrate Web Sensor to your system



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Trap

Franks.

SOAP

Syslog

(5)

SNTP

XML

#### ModbusTCP protocol

Modbus protocol for communication with SCADA systems or third party software. Device use version of Modbus TCP protocol.



### SNMP protocol

 ${\sf SNMPversion1protocolforIT} in frastructure. Using {\sf SNMPprotocolyou} can read actual measured values, a larm the standard value and the standard value and$ statuses and alarm parameters. MIB tables with OID description are available.

#### SNMP Trap

SNMP Trap for IT infrastructure. The device allows sending Traps to selected Trap receiver server. Traps are sent in case of alarm on channel or at error states.

#### SOAP protocol

The device allows to send currently measured values via SOAP v1.1 protocol. The device sends values in XML format to the web server. The advantage of this protocol is that communication is initialized by the device side. Therefore it is not necessary to use port forwarding.

#### Syslog protocol

Syslog protocol for IT infrastructure monitoring systems. The device allows sending text messages to selected Syslog server. Messages are sent in case of alarm on channel or at error states.

#### SNTP protocol - time synchronization

Time synchronisation with SNTP server. Actual time is shown at web pages and is necessary for timestamps inside CSV files.

#### Actual values via XML

XML protocol for actual measured values reading. This protocol is suitable for Web Sensors integration into 3rd party SCADA systems.

## Mounting accessories



## MP047

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Universal holder for probes for easy mounting to rack 19".

## Protection of sensors



F5300 - Teflon (PTFE) sensor cover (white colour), with increased resistance against splashing water, non-absorbent surface, does not rust. Porous size 25µm. Temperature range -40°C to +125°C.



F5200 - Grey sensor cover with filter from stainless steel mesh, filtering ability 0.025mm.



F0000 - Sintered bronze sensor cover. Filtering ability 0.025mm.

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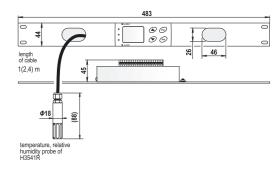


For

more information visit www.cometsystem.com

## MyJ Sensores



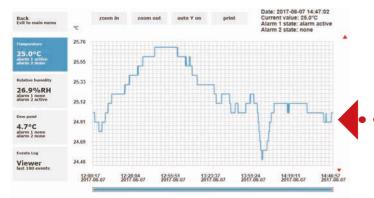




## **Remote controling**

Back Exit to main		Web SensorXX s/m annanot7				
Relay 1			Relay 2			Acoustic
closed		open			none	
Automatic of	r manual c	ontrol	Automatic o	r manual co	atrol	Mute of acoustic signalisation
Auto Control	Manual Closed	Manual Open	Auto Control	Manual Closed	Manual Open	Mute Acoustic

## Chart with historical value



Back Exit to main menu

25.2°C alarm 1 active alarm 2 none

28.2%RH alarm 1 none alarm 2 active

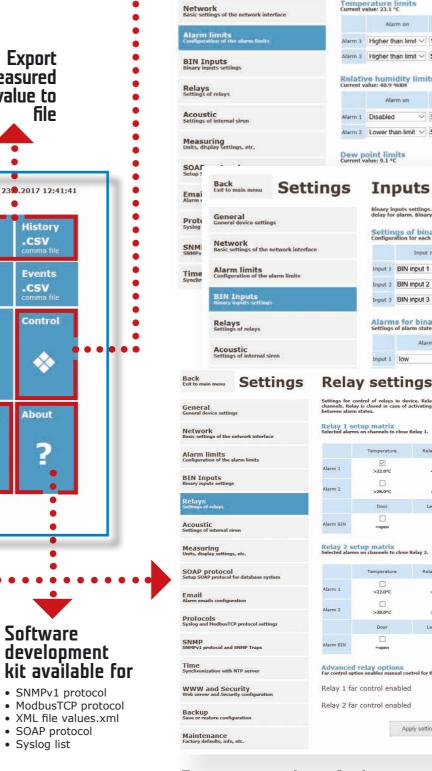
5.5°C alarm 1 none alarm 2 none

Viewer last 100 events

General devi Web Export measured browser interface value to file Web Sensor [!] Time: 23.2017 12:41:41 s/n: 08980017 emperature **Relative humidity** History History .CSV .CSV 26.0°C 38.8%RH alarm 1 none alarm 2 active alarm 1 active Events Events alarm 2 none .CSV dot file .csv Mobile Control Dew point 11.0°C web  $\Leftrightarrow$ alarm 1 none alarm 2 none **BIN input 1 BIN** input 2 bout ettings high high \* ? **BIN** input 3 Relay 1 Relay 2 closed high open Copyright © 2017, Comet system s.r.o. All rights reserved. **Recorded events** 

#### Events .csv dot Events .csv comma all value binary 14:15:50 2017-05-29 - 104 Relay1 Closed 14:15:49 2017-05-29 Relavi Open Relay 14:15:35 2017-05-29 - Histop Relay2 Open 14:15:32 2017-05-29 Relay2 Closed itelar -14:15:30 2017-05-29 Relay2 Helavi Open 14:15:29 2017-05-29 Relay2 Closed 14:15:26 2017-05-29 Relay2 in a tolay Open 14:15:25 2017-05-29 Relay2 Closed 14:13:33 2017-05-29 Relay2 Open 14:13:32 2017-05-29 Relay2 Closed

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212.111.6.29/P854

## **Alarm limits**

Back Exit to main menu Settings

onfiguration of the alarm limits. Each channel have two alarm limits with selectable direction. Alarm is crivated when measured value exceeds set limit with a selected time delay. Alarm is cleared if measured alue returns back with hysteresis.

Current v	alue: 23.1 °C					
	Alarm on	Limit [°C]	Delay [sec]	Hysteresis [°C]	Alarm on error	Send Email
Alarm 1	Higher than limit $\vee$	10.0	5	1.0		
Alarm 2	Higher than limit V	50.0	5	1.0	$\square$	5

#### Relative humidity limits Current value: 40.9 %RH

	Alarm on	Limit [%RH]	Delay [sec]	Hysteresis (%RH)	Alarm on error	Send Email
Alarm 1	Disabled ~	50.0	5	1.0		
Alarm 2	Lower than limit $ \sim $	50.0	5	1.0		

#### Dew point limits Current value: 9.1 °C

Binary inputs settings. Alarms on binary inputs are evaluated by the selected alarm level (Alarm on) and time delay for alarm. Binary input LED indication is selectable according required state of input.

					puts
Con	figurat	ion for	each	binary	input

	Input name	"0" state description	"1" state description	LED indication
Input 1	BIN input 1	low	high	low
Input 2	BIN input 2	low	high	low
Input 3	BIN input 3	low	high	low

#### Alarms for binary inputs

	Alarr	n on	Delay [sec]	Send Email	
Input 1	low	Ŷ	5	N	

#### **Relay settings**

Settings for control of relays in device. Relays are controlled according selected alarms on measurement channels. Relay is closed in case of activating at least one of selected alarm. It is used logical OR operation between alarm catale.

#### Relay 1 setup matrix Selected alarms on channels to close Relay 1.

	Temperature	Relative humidity	Humidex
		<30.0%RH	□ >30.0°C
	≥28.0°C		>40.0°C
	Door	Leak detector	Warp drive
IN	=open	=leak	=00

Relay 2 setup matrix Selected alarms on channels to close Relay 2.

	Temperature	Relative humidity	Humidex
	>22.0°C	<30.0%RH	□ >30.0°C
	⊃28.0°C	□ >65.0%RH	
	Door	Leak detector	Warp drive
IN	=open	⊡ =leak	=on

### Advanced relay options Far control option enables manual co

1 far control enabled	
2 far control enabled	

Apply settings Cancel changes

## Remote controling of relay via internet

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