

Safety Information

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This document is intended to be used exclusively as an aid for users of safetyrelated systems.

This does not exclude in particular the competency testing that is the responsibility of the user.

Warning Please observe the relevant safety information in the user manual. More detailed documentation and information can be found at www.pepperl-fuchs.com.

2 ASiMon3 Installation

- To install the ASiMon3 software, proceed as follows:
- 2.1 Run the 'Setup.exe' command for the 'AsiMon3' software and follow the instructions that appear on the display.
- 2.2 Once installation of AsiMon3 is complete, the installation of the AS-Interface Control Tools will start automatically. Follow the instructions that appear on the display here as well.

Once installation is complete, you can use the hardware or continue configuring the device.

3 Hardware Installation

To install the hardware, proceed as follows: 3.1 Connect the Safety Basis Monitor to your PC via a free USB port. The required driver will be installed automatically.



3. 2 Safety Basis Monitor connection: The Safety Basis Monitor is supplied with power via the AUX+/AUX- with 24 V terminals. Connect the speed monitor and Basis monitor using the ASI+/ASI- terminals. You will need a push button at the S12/AUX+ terminals.

^{*)} If you do not have a push button on hand, you can start the process automatically using a jumper as an alternative.

The respective release circuits are indicated by LED O1 and LED O2.

3.3 Speed monitor connection:

The speed monitor is supplied with power via the +24V/+0V with 24 V terminals. Connect axis sensor 1 to ENC1, and axis sensor 2 to ENC2 where necessary.

If the Safety Basis Monitor and speed monitor are connected to each other and supplied with voltage, you can continue configuring the device.

 S71
 S72
 S81
 S82

 1.14
 OV
 2.14
 OV

 ext.out
 ext.out
 ext.out
 ext.out

 ASI+
 ASI aux+
 Aux+

 1
 ext.in
 ext.out
 ext.out

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522 521 512 511 542 541 532 531

S62 S61 S52 S51

4 Generating the Device Configuration

To generate the device configuration, proceed as follows:

- 4.1 Download the file "18-32503.zip" (Samples_AS3) from the Pepperl+Fuchs website (www.pepperl-fuchs.com). The download link is available on the product page for the Safe Speed Monitor.
- 4.2 Unzip and save the files contained in the package.
- 4.3 Start AsiMon3 and select 'Open configuration'. Load configuration Speedcontrol_1-axis.

Ele Edit Workspace Communication Monitor Extras Window Help	
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Project manager 7 X	
Workspace:	
Component manager 7 ×	
Device Address OSSD	
	Start Assistant for AS-Interface safety monitor
Device Ibrary # 🗙	C Diagnostics
Monitoring devices	C New configuration
Emergency shutdown	Cipen configuration
ACPD	C Load configuration from safety monitor
Two-handed operation	
Enabling device	
Key switch	Show dialog on start-up
Seed applier	
2 channel muting input	
Monitor input	CAF
T) & DUCCON NOP	SAF

4.4 Select Communication/Settings... USB device (serial number) for your Safety Basis Monitor. Press OK to confirm.

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nber)	•
02111	20179960031
	Search
Cancel	Help
	iber)

4. 5 Select Monitor/PC - > Monitor.



 You will now be asked to enter a new password. The default password is SIMON.

Password o	lialog	×
Enter passw	ord:	

Enter new p	assword:	
, Repeat new	password:	1
·	OK] [

e of issue: July 9, 2012

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Note

4.7 Once you have entered a valid password, confirm the transfer again.

Monitor	Extras Window	Help
Dia	agnostics	
os	55D switch-off histor	y
Mo	onitor -> PC	
EC.	-> Monitor r	
Te	ach safe configuratio	an n
Te	ach single slave	Send config
Те	aching of safe coupli	ng .
Cļe	ear configuration	
Co	nfiguration log	
Va	lidate	
Sta	art	
Sto	op	
Ch	ange password	
Sta	art ACT with AS-i circ	:uit <u>1</u>
Sta	art ACT with AS-i circ	:uit <u>2</u>

4.8 Now teach in the speed monitor code sequences. Click **Yes** to confirm the dialog box.



4.9 If the Teach-in process has been successful, select **OK**.



 Now enter your Name and your Password. You can ignore the subsequent error message by clicking Cancel.



4. 11 The diagnostics process will start automatically. Now change back to the configuration screen.



4. 12 Now select Extras/Speed monitor/Configure...

File Edit Workspace Communication Monitor	Extras Window Help	
) 🖄 🗁 🔒 🖳 📇 📇 📕 🖌 🐂	Language +	
Project manager	Display options	FGK #1 -> 1. 055D
Workspace:	Speed monitor	Configure
	Use Start Assistant	Send configuration
Component manager Device Address OSSD	+ x	* FGK #2 -> 2. 055D
田	dstill" - Speed monitor 1 / save speed" - Speed mo	"siohere Drehzahl / save speed"
+ [2][#S12]"Aktivierung über Mor	hitorein#1" - Activation via	[#3 (ASi-1)]
[3][#512]"Aktivierung über Mor	hitorein#2" - Activation via	- Speed monitor
[3][#512]"Aktivierung über Mor	nitorein#2" - Activation via	- Speed monitor

4. 13 Add a new speed monitor and confirm the AS-Interface address 1 by clicking **OK**.



July 9, 2012



- Select the \pmb{Speeds} tab and enter a figure in channel 1, e. g., 3000 Hz. 4.14 🔁 Confi ure Speed M - 🗆 × Configuration Speeds Addresses Name Address Chann... Channel 2 Speed monitor (1.1A) 1.1A - -Channel 1 Actual: Limit 0Hz Saved: New Limit . 3000 ÷ Hz Channel 2 Actual Limit: 0Hz New Limit: Saved ÷ Hz -
 - Image: Second system
 Image: Second system

 Image: Second system
 Ima
- 4. 15 In the 'Addresses' tab, enter the following addresses in channel 1:
 Safety-Limit-Speed: 2
 Halt: 3

vame	Address	Chann	Channel 2	Configuration Speeds Addresses	1	
Speed monitor (1.1A)	1.1A		-		1	
				Channel 1	Actual	Ne
				Safety Limited Encode	Actual	
				salety-timted speed.	U	2
				Halt:	0	3
				Direction right (-):	0	0
				Direction left (+):	0	0
				Channel 2		
					Actual	N
				Safety-Limited Speed:	0	0
				Halt:	0	0
				Direction right (-):	0	0
				Direction left (+):	0	0
∳ x ≉		Co	nfigure all			

4. 16 Click OK and then select Extras/Speed monitor/Send configuration....



4. 17 Confirm the two following dialog boxes by pressing **Continue**.

📷 Configure Speed Monitor	<u>_</u> _×
Speed monitor (1.1A) 1.1A Duc	
ENC 2 All COMP	
Please disconnect all speed monit	ors from bus
Continue	

4. 18 Now enter the name and password. The default password is 1234.

🧏 Validate Configurati 💶 🗵 🗙
Speed monitor (1.1A)
Validator name:
Password:
Apply for all
OK Cancel

4. 19 Once the configuration has been sent, confirm the protocol by pressing **OK** and exit the configuration process.



Date of issue: July 9, 2012



4.20 Select Display diagnostic information.

Elle Edit Workspace Communication Monitor Extras Window Help Project manager Workspace: 4. 21 You can now monitor and test your configuration. In the downloaded Samples_AS3 file, you will find another example of two rotational axes.





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4

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