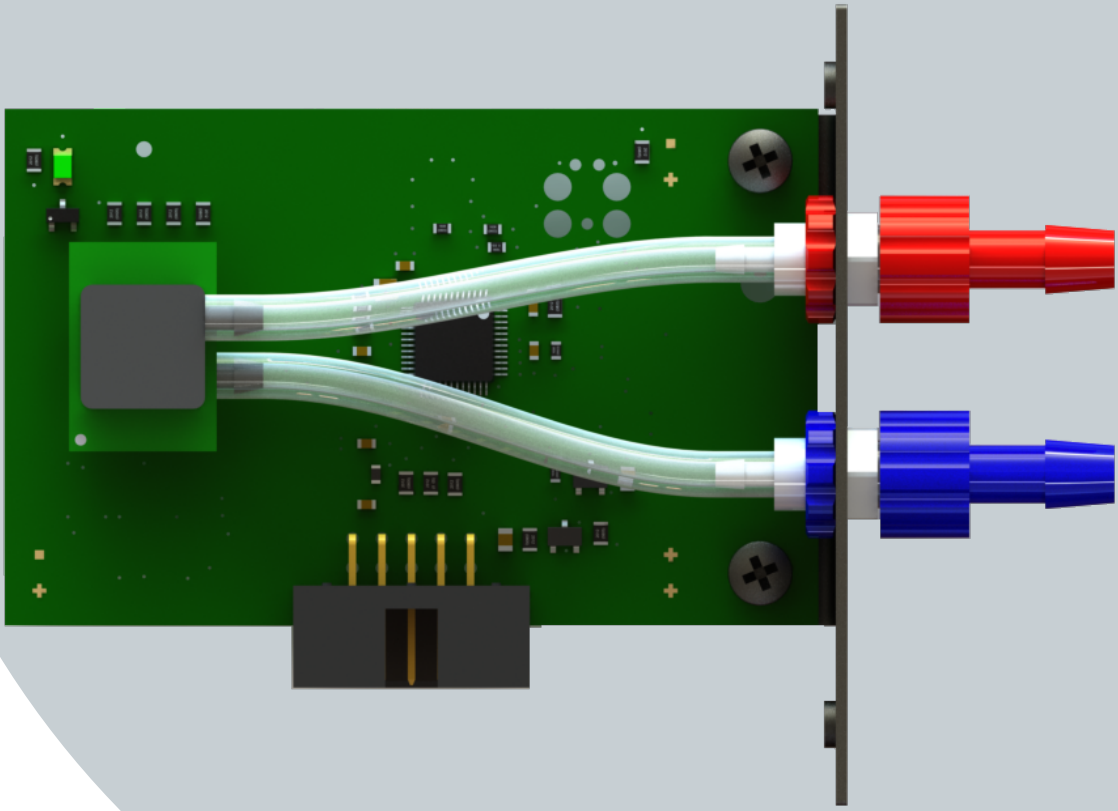

Technical Datasheet

MC10-PSM

SCHNEIDER

SCHAKO Group

1 Introduction

The extension module included in this document is suitable for the following product groups:

- Fume hood controller (e.g. FC400)
- Fume hood monitor (e.g. FM400)
- Volume flow controller (e.g. VAV400)

MC10 extension modules are manufacturer-specific and can only be used in the specified product groups. They can be replaced, removed, and added, but must be compatible with the respective device. This allows the device to support more functions than originally provided. The parameters can be checked and adjusted within the respective product group using a PC or laptop and the SCHNEIDER commissioning software PC4500.

Notice: Connecting the extension module

Always unplug the power cord or disconnect the device from the mains before inserting or removing the extension module.

W0022

Notice: Material damage due to electrostatic discharge

The electronics of the MC10-PSM can be damaged by electrostatic discharge. Avoid direct contact with components and circuit traces on the circuit boards. Before touching, perform a potential equalization by touching metallic surfaces. The surfaces must be grounded to ensure potential equalization.

W0048

2 Extension Module Type MC10-PSM

Technical Data	
Power Supply	via the baseboard slot
Pressure Ranges	4 to 300 Pascal 10 to 1000 Pascal -150 to +150 Pascal
Response Time	< 10 ms
Sensor Burst Pressure	500 mBar
Ordering Code	
MC10-PSM-6B	Pressure range 4 to 300 Pa (Standard)
MC10-PSM-2B	Pressure range 10 to 1000 Pa
MC10-PSM-5B	Pressure range -150 to +150 Pa
MC10-PSM-0D	Pressure range -2500 to +2500 Pa

Table 1: Technical Data MC10-PSM

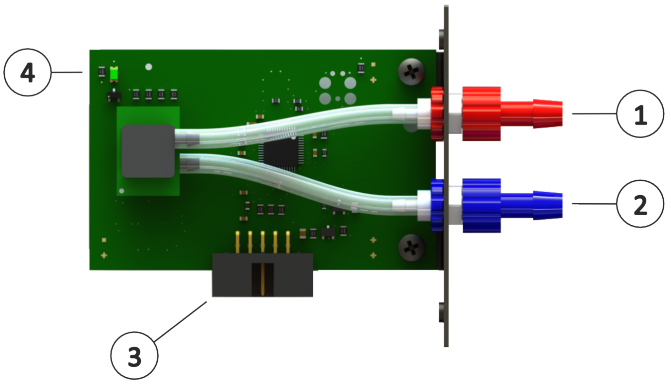

Figure 1: Overview MC10-PSM

No.	Function	Meaning
1	PLUS (red)	Differential pressure connection Plus
2	MINUS (blue)	Differential pressure connection Minus
3	MC10	Extension slot MC10
4	HB-LED	Operating status indicator

Table 2: Legend MC10-PSM

3 Application Areas

Depending on the application, it is recommended to use an appropriate pressure sensor measurement range. Although larger measurement ranges may seem more universally applicable, a smaller range allows for higher resolution and, in many cases, greater measurement and control accuracy. The common application scenarios and the recommended sensor types are explained below.

Application	Typical Values	Recommended Sensor
Volume Flow Measurement	3 to 200 Pa	6B
Duct Pressure Measurement	100 to 800 Pa	2B
Room Pressure Measurement	-50 to 50 Pa	5B
Filter Monitoring	10 to 800 Pa	2B
Air Washer Monitoring	300 to 800 Pa	2B
Support Air Jet Monitoring	5 to 50 Pa	6B

Table 3: Common Application Areas

The information and data contained in this documentation have been compiled to the best of our knowledge and in accordance with the current state of the art (subject to technical changes). The currently valid version applies. The proven properties of SCHNEIDER products are based on the use of the products recommended in this documentation. Diverging situations and individual cases are not taken into account, so that we cannot assume any warranty and liability.

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Do you have any questions? We look forward to your message:

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