

Sales release

IOM expansion module for the CPS-M

Input Output Module (IOM-D1-1212)



- » Evaluates switch signals and displays system states using 12 digital inputs and 12 digital outputs
- » Simple retrofitting without wiring effort into existing CPS-M control panel systems via the tried-and-tested expansion module socket
- » Compact design for measurably more space in the standardised module housing with a width of 26 mm
- » Flexible configuration options using D+H SCS (Service and Configuration Suite) software

Availability

- » Can be ordered starting: **today**
- » Can be delivered starting: **13/04/2018**

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Product highlights at a glance

USPs

- » 12 digital inputs and 12 digital outputs for evaluating signals and system status reports
- » Simple retrofitting of an existing CPS-M – systems without wiring effort using an expansion module socket
- » Compact design in the standardised CPS-M module housing
- » Bus communication between the IOM module and all other components to process incoming signals right in the controller, ensuring that the function runs smoothly
- » Custom configurations can be created in the D+H SCS software. This software can also be used for all other D+H components.
- » Subsequent functional enhancements ensured due to software updates
- » Simple switching status recognition using the 3.5" full colour touch panel for visual observation of the input and output signals
- » Global use of incoming signals from all control systems connected to the VdS-approved bus system "AdComNet"
- » Permanent short-circuit resistance for all non-isolated digital outputs
- » Enables the simple implementation of complex SHEV scenarios
- » Connecting of all cables using removable spring-type terminals

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Type code for Input Output Module (IOM-D1-1212)

SHEV system

	Function	Type of construction	Version	Inputs	Outputs
IOM	Input Output Module				
D	Digital				
1	Version status 1				
12	12 digital inputs				
12	12 digital outputs				

Details for Input Output Module (IOM-D1-1212)

The CPS-M modular SHEV control panel was developed for natural smoke extraction, certified in accordance with EN 12101-10 and tested by VdS. Its main function is to trigger 24 V drives mounted on-site in order to extract smoke in case of fire or to provide natural ventilation.

The modules, including the new IOM module, are conveniently mounted on standard 35 mm supporting rails using module sockets. Integrated plug connectors are used in the module sockets to ensure the power supply and bus communication without wiring.

The IOM module expands the existing functional range of the CPS-M control panel through additional digital inputs and outputs that can be used to evaluate signal states and report system states.

Thanks to the digital inputs and outputs that are user-configurable via AdComNet (Advanced Communication Network), operating elements such as ventilation buttons and signal emitters such as signal lamps can be set up as desired via the D+H SCS software and interconnected via logic operations.

The current statuses of the inputs and outputs can be controlled by the CPS-M touch panel at any time. Additionally, the module status is also displayed by both the touch panel and the indicator LEDs on the module itself.

Features

- 12 digital outputs
- 12 digital inputs
- Installation on TS 35 top hat rail (using an expansion module socket)
- Indicator LEDs for displaying the module status
- Wiring using removable spring-type terminals

Functions

- Configuration using the D+H SCS (Service & Configuration Suite) software
- Evaluation of the following:
 - o Ventilation button signals
 - o Isolated weather signals

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- Isolated open and closed signals
- etc.
- Reporting of the following:
 - Alarm signals
 - Fault signals
 - etc.

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Technical data and functions of the Input Output Module (IOM-D1-1212)

	IOM-D1-1212
W x H x D dimensions of housing	26 x 130 x 125 mm
Installation type	35 mm top hat rail (using an expansion module socket)
Digital inputs	
Number	12
Switching type	Minus- or plus-active
Voltage range	0 to 28 V DC
Assignment	Configurable
Cross section	Max. 1.5 mm ² , flexible
Digital outputs	
Number	12
Output current	Max. 50 mA
Output voltage	24 V DC
Short-circuit resistance	Lasting / self-resetting
Assignment	Configurable
Cross section	Max. 1.5 mm ² , flexible
Fault display	LED - yellow
Alarm display	LED - red

SHEV system

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IOM prices

Module sets

Article No.	Type	Designation	Price
31.704.50	IOM-MS	I/O module expansion set	€ 324.00

Spare parts

Article No.	Type	Designation	Price
31.703.05	ET IOM-D1-1212	Digital I/O module	€ 285.00

*All prices are gross prices without value-added tax (price list prices)!
Above-mentioned prices apply until new price list is released*