



## Solar-Log MOD I-O Module Power Management User Guide

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## Introduction



This installation manual is intended for use by solar energy technicians and professional electricians, as well as Solar-Log Base users. It should be noted that the installation and commissioning of the individual components is only to be performed by properly trained specialists.

The Solar-Log™ must only be used by persons who have fully read and understood this manual before installing, operating and/or servicing the device.

### Please observe!



Disconnect the power of the Solar-Log Base before plugging in/out the bus connector and before connecting the module with the Solar-Log™.

## Assembly

The Solar-Log MOD I/O module is manufactured in accordance with protection class IP20 and is designed exclusively for installation in suitable for dry, dust-free indoor use. The assembly itself can be carried out both via wall mounting as well as on a DIN rail. Power is supplied via the bus system by the Solar-Log Base, a power supply via pins power + and – is not required for the PM+ function. The need of an external power supply is optional and depends on the output current.

### Module Solar-Log MOD I/O connection and mounting

Take one of the 2 bus connectors included in the scope of delivery. The bus connector is plugged into the back of the Solar-Log Base.

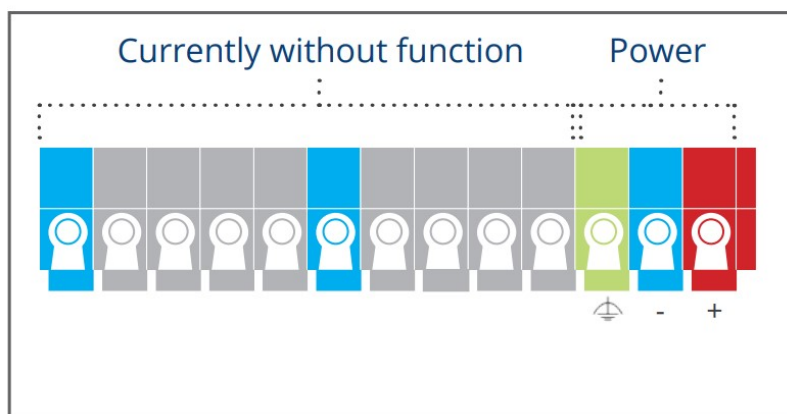
Take the second bus connector and plug it into the back of the Solar-Log MOD I/O. To complete the HBus connection, plug the two bus connectors together. Now the connected housings can be snapped into the DIN rail.



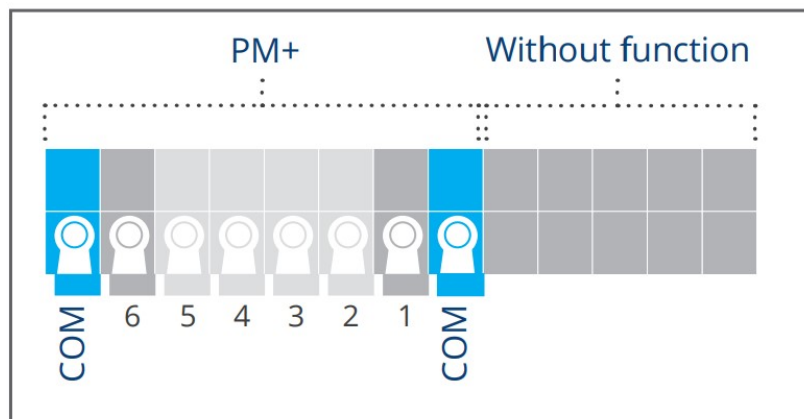
Follow the short instructions Solar-Log Base.

## Connections

### Top



## Bottom



Pin	Solar-Log MOD I/O
	COM Functional earthing
	1 Control signal active power
	2 Digital_In 1
	3 Digital_In 2
	4 Digital_In 3
	5 Digital_In 4
	6 Control signal reactive power
	COM Functional earthing



For further information on connecting the ripple control receiver, please refer to the installation manual.

## Technical Data

Device voltage	24V (+-5 %), in exceptional cases 12V (+-5 %
Total current of the outputs	With a power supply via the HBus: 250 mA With an external power supply: 1A
Cable cross-section	Solid conductor: 0.2 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG Fine-stranded conductor: 0.2 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG With ferrules: 0.14 ... 1 mm <sup>2</sup> / 26 ... 18 AWG (ferrules – to be used for fine-stranded conductor
Strip length	8.5 ... 9.5 mm / 0.33 ... 0.37 inch, with ferrules $\geq$ 6mm / 0,24 inch Please take into account the diameter of the plastic sleeves
Power consumption	min. 2 W
Control signal	Voltage of the control signal corresponds to Supply voltage of the Solar-Log Base
Dimensions (WxHxD) in mm	53,6x89,7x60,3

## Customer Support


**Solar-Log GmbH**

[www.solar-log.com](http://www.solar-log.com)

Subject to change without notice

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## Documents / Resources

	<a href="#">Solar-Log MOD I-O Module Power Management</a> [pdf] User Guide MOD I-O, MOD I-O Module Power Management, Module Power Management, Power Management
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## References

-  [Services for the photovoltaic system| Solar-Log GmbH](#)