

Hardware Installation Guide

External Backup and Restore Module IE-EBR-MODULE-RS232-ALM (Part No. 2682610000)

1. Introduction

The EBR-Module is a standalone electronic unit that can be used to backup and restore the configuration of managed Weidmüller Switches of series Advanced Line and Substation Line. The device will be connected to the Switch's serial console port and is powered via the console port. The backup and restore procedure and the selection of one of the two configuration storages can be done via 2 DIP switches and a Start button. In addition to the typical application to save and restore a configuration e.g. in case of a device exchange it is also possible to use the EBR-Module for creating cloned devices based on a stored Master Switch configuration to speed up mass configuration.

2. Package Checklist

The package is shipped with following items:

- External Backup and Restore Module
- Hardware Installation Guide (printed)

3. Supported Switch models

The EBR-Module can be used with **below listed managed Switches of series Advanced Line and Substation Line** only.

Supported models are listed in table below:

Article name	Article number
IE-SW-AL06M-4GTPoE-2GESFP	2682430000
IE-SW-AL08M-8GTPoE	2682420000
IE-SW-AL08M-8GT	2682350000
IE-SW-AL12M-8GT-4GESFP	2682340000
IE-SW-AL14M-12GT-2GESFP	2682360000
IE-SW-AL24M-16GT-8GESFP	2682370000
IE-SW-SL20M-8GT-12GESFP-HV	2778970000
IE-SW-SL20M-8GT-12GESFP-LV	2778980000
IE-SW-SL28M-HV	2779010000
IE-SW-SL28M-LV	2779020000
IE-SW-L3-SL28M-HV	2875580000
IE-SW-L3-SL28M-LV	2875590000

4. Disposal information

Observe the notes for proper disposal of the product. You can find the notes here: www.weidmueller.com/disposal.

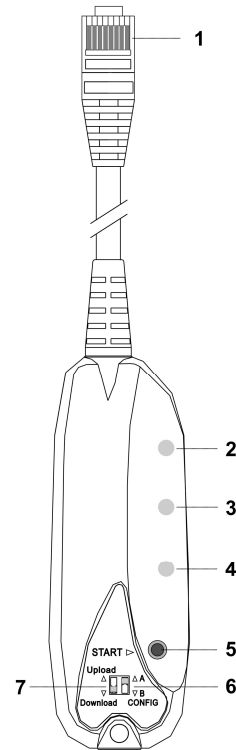


5. Device Layout

5.1 Front / Rear View



5.2 Functional Design



1. Serial cable with RJ45 Connector
2. Power Indicator LED (Green)
3. Data Transmitting LED (Upload / Download)
4. Transmission Status LED (Successful / Faulty)
5. Start Button
6. DIP Switch for selection of the configuration storage (A or B)
7. DIP Switch for selection of configuration upload or download

LED Indicators

LED	Color	Status	Description
Power (2)	Green	On	Power is supplied by connected switch.
Data Trans- mitting (3)	Amber	Blinking	Transmitting data (Up- or Download).
Transmission Status (4)	Green	On	Successful Configuration Transmission
	Red	On	Failed Configuration Transmission

6. Installation and Operation

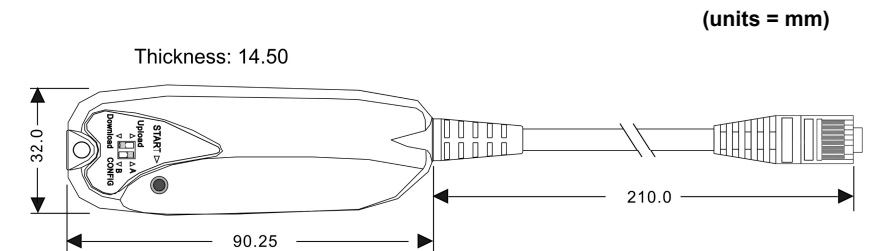
6.1 Backup Ethernet Switch's configuration to EBR-Module

1. Set left DIP-Switch (7) to bottom position "Download".
2. Set right DIP-Switch (6) to select the storage (A or B) for backup of the switch's configuration.
3. Ensure that the Ethernet switch is powered on.
4. Insert the cable of the EBR-Module to the **serial RJ45 console** port of the Ethernet switch (when connected the power LED (2) lights up green).
5. Press button "Start" (5) to initiate the download of the switch's configuration into the EBR-Module.
6. The process will be finished after some seconds; the result can be checked via transmission status led (4).

6.2 Restore Ethernet Switch's configuration from EBR-Module

1. Set left DIP-Switch (7) to top position "Upload".
2. Set right DIP-Switch (6) to select the storage (A or B) from where you will restore the configuration.
3. Ensure that the Ethernet switch is powered on.
4. Insert the cable of the EBR-Module to the **serial RJ45 console** port of the Ethernet switch (when connected the power LED (2) lights up green).
5. Press button "Start" (5) to initiate the upload of a stored configuration into the switch.
6. The process will be finished after some seconds; the result can be checked via transmission status led (4).

7. Dimensions



8. Specifications

Interface	
Connector	Serial RJ45 Connector
LED Indicators	Power (Green) Data Transmitting (Amber / blinking) Transmission Status (Green or Red)
Power	
Input Voltage	5 V DC, 14 mA (via RS-232 RTS signal of RJ45 Connector)
Physical Characteristics	
Housing	IP40 protection, PC molding
Dimension (W x H x D)	32 x 14.5 x 90.25 mm (1.25 x 0.57 x 3.5 inch.) Cable length: 210 mm including RJ45 connector
Weight	33 g
Environmental conditions	
Operating Temperature	-10 to 60°C (14 to 140°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Operating Altitude	Up to 2000 m
Regulatory Approvals	
Safety	UL 61010-1; UL 61010-2-201
EMC	EN 55032, EN 55024, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-31
Vibration	IEC 60068-2-6
Storage Memory	
Memory Size	256 KB
MTBF	
Time	6.645.051 hrs
Database	Telcordia SR332
Warranty	
Time Period	3 years

Contact Information

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