Data Sheet | Item Number: 8103-2000/000-002
Load Management Controller; Hardware + Software Bundle
https://www.wago.com/8103-2000/000-002

The WAGO Load Management Controller, with the pre-installed WAGO Application Load Management, is a dynamic load management system for regulating the total charging power at a grid connection point that accounts for the maximum connection capacity. This solution prevents grid connection expansion and eliminates peak loads caused by EV charging.

One license key is required per individual charging point. After receipt, the license key can be uploaded in the "Configuration" tab. This enables a charging point with dynamic load management. Counters are exempt from this; no additional license keys are required for them.

Functions through license activation:
- Intelligent vehicle charging through continuous power adjustment and use of all available capacities
- Manufacturer-independent and tailor-made solutions for your location
- Integration of every producer at the location (photovoltaics, CHP, etc.)
- Excess charging
- Charging processes by priority for different users (RFID)
- Electricity-price-dependent charging (Awattar & Tibber)

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- Compatible licenses (charging points):
- 8101-2000/000-021 WAGO Application Load Management; 01 charging point
- 8101-2000/000-022 WAGO Application Load Management; 05 charging points
- 8101-2000/000-023 WAGO Application Load Management; 15 charging points
- 8101-2000/000-024 WAGO Application Load Management; 30 charging points
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- Activate and download license keys:
  - •https://walm.license.wago.com

This item includes:

Item No.: 751-9301

Compact Controller 100; 8DI 4DO 2AI 2AO 2NI1K/PT1K 1RS485; 2 x ETHERNET; SD

Item No.: 8101-2000/000-025

Application Load Management; Basic Software

Technical data

Communication	Modbus (TCP, UDP) EtherCAT® Master EtherNet/IP™ Adapter (slave) EtherNet/IP™ Scanner Modbus RTU RS-485 interface OPC UA Server/Client MQTT Telecontrol protocols, **requires an additional license** BACnet/IP, **requires an additional license**
ETHERNET protocols	DHCP DNS NTP FTP FTPS SNMP HTTP HTTPS SSH
Visualization	Web-Visu
Programming environment	CODESYS V3.5 Node RED
Configuration options	CODESYS V3.5 Ethernet Settings Web-Based Management WAGOupload WAGO Solution Builder

WAGO

Mechanical data

Weight	190 g

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Mechanical data