

GreenBox Compact 3 AE / SA Datasheet



The GreenBox Compact 3 devices AE (**A**ntenna **E**xternal) and SA (**S**tand**a**lone) are used as **intelligent time switch with astronomical calendar** also for standalone operation.

The exact time is synchronized via USB or LoRaWAN interface (automatic for AE). Switching is triggered by LoRaWAN communication (AE) or by the built-in clock. The parameterization can be set and read via the USB interface.

GreenBox Compact 3 devices are 1:1 plug-compatible with the standard ripple control receivers and comply with the common EN and IEC standards.

AE only

Switching commands and settings can be sent by LoRaWAN communication. These can be sent to individual devices or as **real synchronous group commands**.

A current measurement checks the function of the consumer (e.g. "lamp/load defective"). Switching changes or errors are sent automatically.

The GreenBox Compact 3 AE can be visualized and configured on any smart city/meter platform (open protocol).

Technical Data

Power Supply:	230 V, 50/60 Hz	
Consumption:	< 0.3 W	
Switching Load:	< 10 A	
Protection Class:	IP 43	
Protection Class II (double insulated)		
Time Buffer:	SuperCap or battery (SA)	> 15 h
Clock:	Accuracy	< 5 ppm
Temperature:	-40 °C ... +70 °C Operation	
Rel. Humidity:	0 ... 95%, non-condensing	
Weight:	240g	
Dimensions:	210x80x40 mm	

Articles

GreenBox Compact 3 AE (without SMA-Antenna)	GBC3AE
GreenBox Compact 3 AE (without SMA-Antenna), Battery	GBC3AEB
GreenBox Compact 3 SA standalone	GBC3SA

(Zubehör s. nächste Seite)

Features

Switching Programs	16
Astronomical Calendar	✓
Current Measurement on Both Channels	✓
Multi-Broadcast (multiple group command)	✓
Autonomous Operation	✓
Sealable Terminal Connection	–
Screw Mounting	✓
Rear Plug-In Connection	✓
USB-Interface for Parameterization and Time Sync.	✓
Automatic Time Synchronization	✓
Battery for Clock-Backup	Option
DIN-Rail Mounting	Option
Communication LoRaWAN	✓
LED-Indicator:	
Operation/Fault	✓
Outputs	✓
Communication (AE)	✓

Conformity: EN55032, EN61000, EN IEC55015
ETSI EN300220, ETSI 301489-1, -3

Swiss made

Accessories:

ANT100 SMA-Antenna $\lambda/4$ (angled rod antenna)



ANT200 SMA-Antenna $\lambda/2$ (angled rod antenna)



ANT140 Light Pole Antenna 140 (pole diameter 80-140mm, 5m cable)



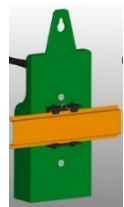
ANT3W Cable Antenna, 3 m cable



SMAW90 SMA-90° Adapter



DIN-GBC3 DIN-Rail Adapter for GreenBox Compact 3



ADAP31 Adapter GBC3 with 4 inline Flat Pins (DIN43861)

ADAP32 Adapter GBC3 with 4 shifted Flat Pins (DIN43861)

