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GreenBox Compact 3
Datasheet

The **GreenBox Compact 3** has an **intelligent time switch with astronomical calendar** and can be used also in standalone operation.

The exact time is synchronized via USB or LoRaWAN interface. Switching is triggered by LoRaWAN communication (individual devices or as physical group commands) or by the built-in clock. The parameterization can be set and read via the USB interface.

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

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

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

The GreenBox Compact 3 with **option «S»** features two interfaces:
– Connector for optical head (SML) / DSMR   reading out of meter data, power control of smart meter
– DALI2, D4i   direct lamp control, reading of sensor

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 > 15 h
	or battery (optional)
Clock:	Accuracy < 5 ppm
Temperature:	-40 °C ... +70 °C Operation/Storage
Rel. Humidity:	0 ... 95 %, non-condensing
Absolute Air Pressure:	58 ... 108kPa (4500m.a.s.l.)
Weight:	240 g
Dimensions:	210 x 80 x 40 mm

Articles

GreenBox Compact 3 AE (without SMA-Antenna)	GBC3AE
GreenBox Compact 3 AE (without SMA-Antenna), Battery	GBC3AEB
GreenBox Compact 3 S (without SMA-Antenna)	GBC3AES
GreenBox Compact 3 S (without SMA-Antenna), Battery	GBC3AESB

(Accessories see next page)

Features

Switching Programs	16
Astronomical Calendar	√
Current Measurement on Both Channels	√
Interface for DALI-2 or Optical Probe	Option
Multicast (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	√
Conformity:	EN55032, EN61000, EN IEC55015
	ETSI EN300220, ETSI 301489-1, -3

Swiss made

Accessories:

ANT100   SMA-Antenna (angled rod antenna)
λ/4 @ LoRa/868 MHz

ANT200   SMA-Antenna (angled rod antenna)
λ/2 @ LoRa/868 Mhz

ANT140   Light Pole Antenna 140 (pole diameter 80-140mm, 5m cable)
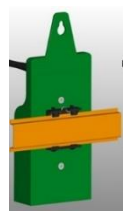
ANT3W   Cable Antenna, 3 m cable

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)

OKRS

Optical probe for smart meter,
IEC 62056-21 (IEC 1107)

2 m cable; compatible with GBC3 with option S

KabDALI

DALI-2 cabel mit connector

30 cm, orange; compatible with GBC3 with option S