# SMSCOM
Alarm Detection & Climate Control

# SWITCHBOX ALL-IN-ONE



SW-B2L

SW-B4L

# USER MANUAL

## Introduction
Congratulations with the purchase of the SMSCOM SWITCHBOX ALL-IN-ONE.

The SMSCOM Switchbox is a complete control unit for lights, heater and 2 ventilators.
Depending on the model you can control 2 or 4 lights of a maximum of 600Watts each with the Switchbox.
The added Digital FanControler makes it possible to control 2 ventilators of max 1200Watts combined.

The operation of the SMSCOM Switchbox is analogue but the control is digital which offers many advantages over controllers without software control. These advantages are the **TempProtector** for the light control, and a **Delayed-StartUp** making it possible to switch on the lights one at the time so you never have a peak voltage on ignition.

## Usage
1. Connect the lights to the YELLOW outlets
2. Set the Grässlin timer clock to the correct time
3. Set the ON/OFF times on the Grässlin timer using the 15 minute segments
4. Set the Grässlin timer to AUTO (🕐)
5. Set the **TempProtector** to the maximum temperature limit (e.g. 35°C)
6. Connect the ventilators to the BLUE outlets (smallest fan is Fan In/ largest fan is Fan Out)
7. Set the minimum ventilation speed (e.g. 30%) and the temperature (e.g. 25°C) using the 2 dials
8. Connect the heater to the BLACK outlet
9. Place the 2 temperature sensors in the middle of the room making sure they are not placed directly under a lamp or in the air flow
10. Plug the Switchbox into the mains socket(s) and turn on*

## Light Control (YELLOW SOCKETS)
With the Grässlin timer you can automatically (🕐) control the lights ON/OFF times in 15 minute segments OR control the lights manually ( 0 / I ).
The **TempProtector** must be set to the maximum temperature the room can reach before lights will start to be switched off.
If the temperature of the room exceeds the *MAX TEMPERATURE,* the **TempProtector** will shut down one lamp at a time until the temperature drops beneath the set point. Because of the built in safety timer, the lamps will stay off 30 minutes before they are re-ignited.
This protection prevents the lamps from igniting whilst they are still too hot. No matter what the temperature is, one lamp always stays on.

## Double Digital FanController (BLUE SOCKETS)
The Switchbox has a Double Digital FanController to control in the IN and OUT ventilators. The ventilators will run day and night to maintain a set temperature.
With the 2 dials you can program the minimum fan speed and desired temperature.
The Switchbox will automatically find the right speed for the ventilators to maintain the desired temperature.
Of course you also can use only 1 ventilator if desired using *'FAN AIR OUT'* socket only.

*When the Switchbox is first turned on, the Double Digital FanController will scan the room for 5 minutes to find the correct speed for the fans. During this time, the ventilators will start running faster and slower as the Switchbox calibrates. After this scanning process the Double Digital FanController will always know the correct running speed for your ventilators and will adjust them accordingly.*
*Attention: The COMBINED maximum load for the ventilators is 1200Watt/5Ampere.*
*Set a suitable minimum speed for your ventilators! (If set too low, the ventilators may make some noise and the air in the room will not be refreshed adequately.)*

## Heater (BLACK SOCKET)
When the lights are turned off, the heater will be active.

## Technical Details
If the Light Controller is overloaded, the left fuse (16Amp Slow) will blow and the red LED indicator will switch on.
If the Double Digital FanController is overloaded, the right fuse (5Amp Slow) will blow. No LED indicator will switch on, but the ventilators will stop running. In both cases, correct the overloading and replace the fuses.

## ATTENTION:
- DO NOT put the temperature sensors directly in the airflow or under a lamp. This has an effect on the function of the sensors.
- Over powering the Switchbox can result in permanent damage to the controller.
- Damages or risk by improper use of the device are not covered by the warranty of SMSCOM.