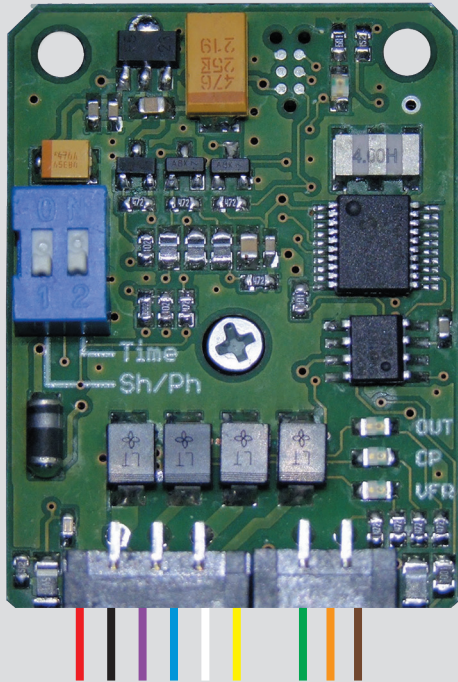


Instructions Manual

Programmable one button operation timer & starter
for W-bus heater



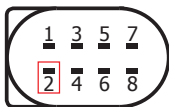


Wiring guide -> 6 pin connector

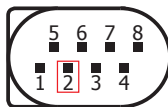
- red** + 12V (battery terminal +)
- black** GND (car body / battery terminal -)
- purple** main out (1 Amp max.)
- blue** CP / circulation pump (2 Amps max.)
- white** VFR / vehicle fan relay
- yellow** Wbus communication



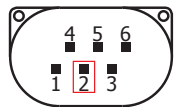
Car makers often use different heater connectors. Marked pin is the Wbus pin. Connect the yellow wire here.



V & VEvo



C/Z



Evo

DIP switch functions

Sh/Ph: This switch affects data communication. If the heater does not start - and you are sure that everything is well connected - switch it to the opposite position!

Time: Some heaters have software-controlled time-limited operation and no continuous operation. This can be solved by restarting the heater periodically (every 35 minutes). To find out if the heater is time-limited, it must be diagnosed with Webasto Thermo Test software, and check the "heater max duration" value. If this value is "255", there is no limited operation. If this value is significantly lower than the amount of time you want to operate the heater continuously, set this switch to "ON".

Programming the unit

Make sure the unit is turned off. Push the button, and **hold it**. After 5 sec. the light ring start to flash fast. Keep hold the button for another 3 sec. and the flashing slows down about 1 blink / sec. From this point on, each flash means 10 minutes. **Release the button after the desired time setting**. If there were 3 slow flashes, the unit going to work for 30 minutes, etc.

3 seconds after releasing the button, the unit will turn on and the light ring will flashes according to the set time. For example, if we set 20 minutes, the light ring will flash 2 times. This way we can verify that the desired operating time has been set correctly.

We don't need to program the unit every time we want to use it (the set time is stored in EEPROM), just press the button and the unit will work according the set time. The unit can be reprogrammed at any time, of course.

Most important, we have to **push and hold** the button during the programming process.



IMPORTANT:

If any other W-bus device (eg. diagnostic software) is connected, you should start the heater from there, not from the timer/starter unit!



If you have any question, please contact me:
norx@norx-electronics.hu

Notes

A large rectangular area with a dotted grid pattern, intended for taking notes.