

Timer v2023 for older OGO models

What has changed in the timer in v2023?

The new timer is now NOT voltage sensitive and does NOT need to be fused against voltages above 12.8V. In addition, the new timer now allows a start-stop function of the agitator button if it is pressed again while the motor is running. If not, the motor runs as usual for up to 45 seconds, depending on the filling level of the solids tank.

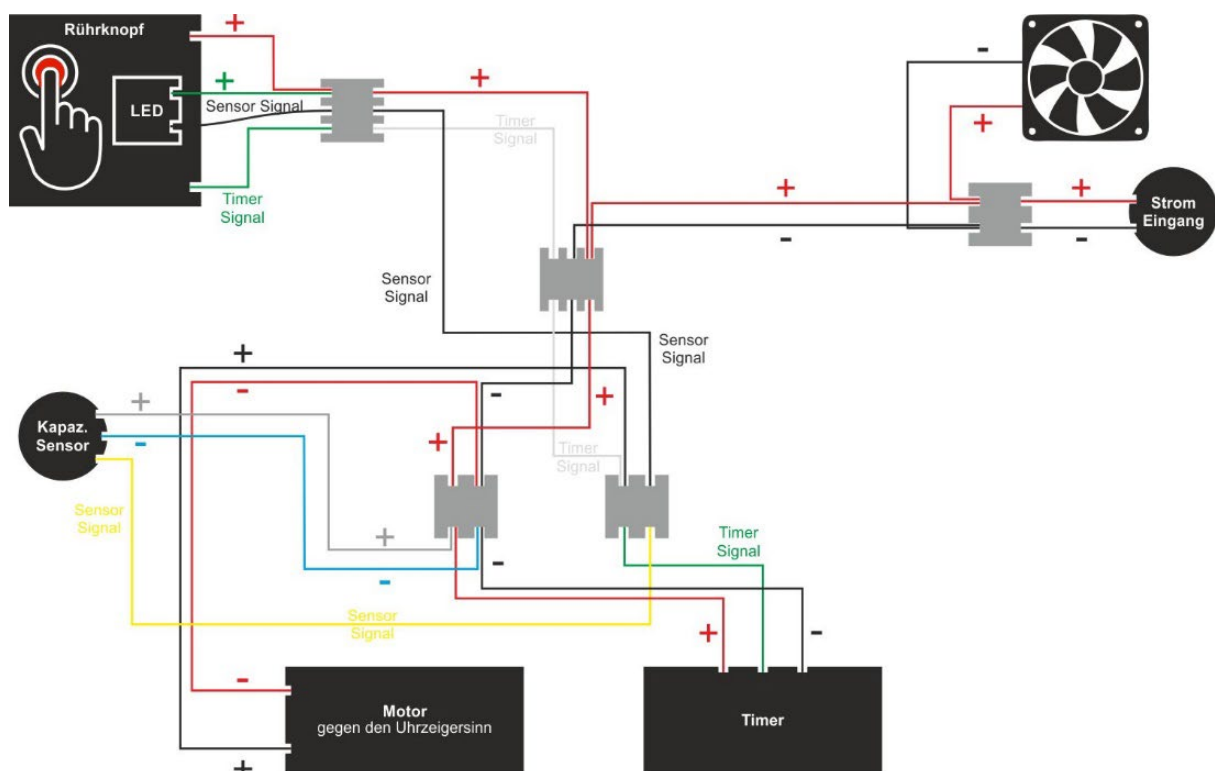
Due to these changes, the v2023 timer now has 4 outgoing cables instead of 3 from the previous timer. Connecting the v2023 timer to an older OGO requires a small installation effort.

Preparation - what is needed for the conversion?

- Timer v2023
- 3x Wago feed-through connector
- possibly a pair of cable pliers

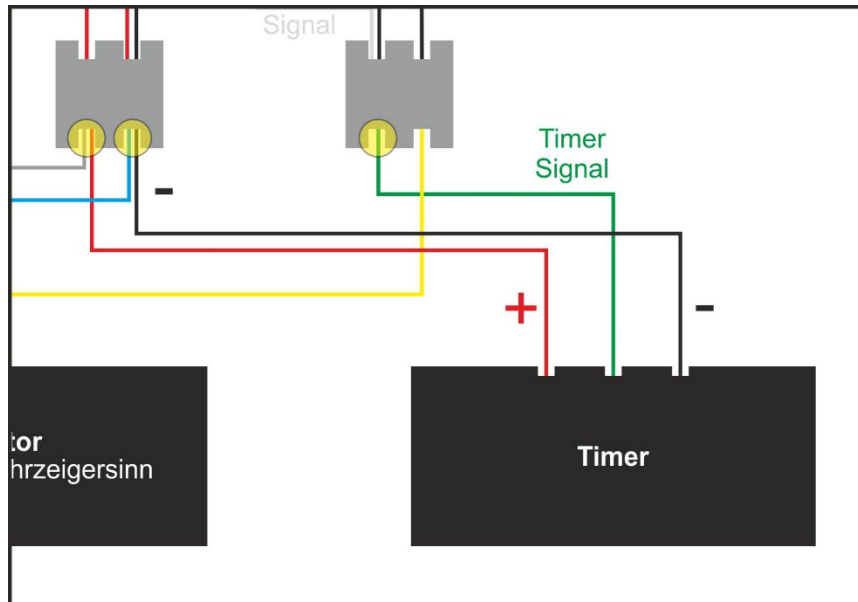
Please make sure to disconnect the OGO from the power source before starting installation work!

This is an example of the electronics diagram of the older OGO v2022



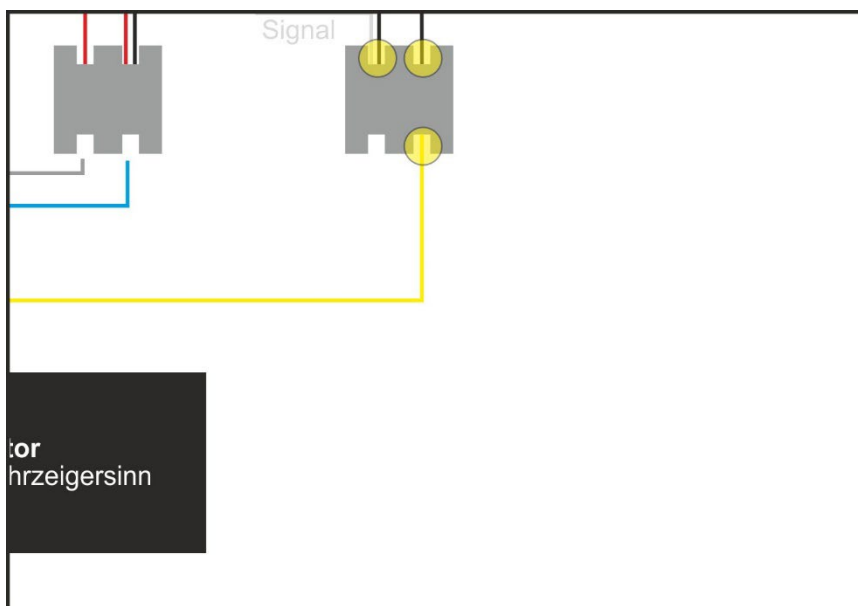
Step 1: Disconnect the old timer

First, the old timer must be disconnected and removed from the toilet. To do this, simply open the clips on both connectors and pull out the cables (circled in yellow in fig.). Wrappings of the now exposed timer cable ends with other cables must also be released. The timer is glued to the toilet floor and can be removed with a little force.



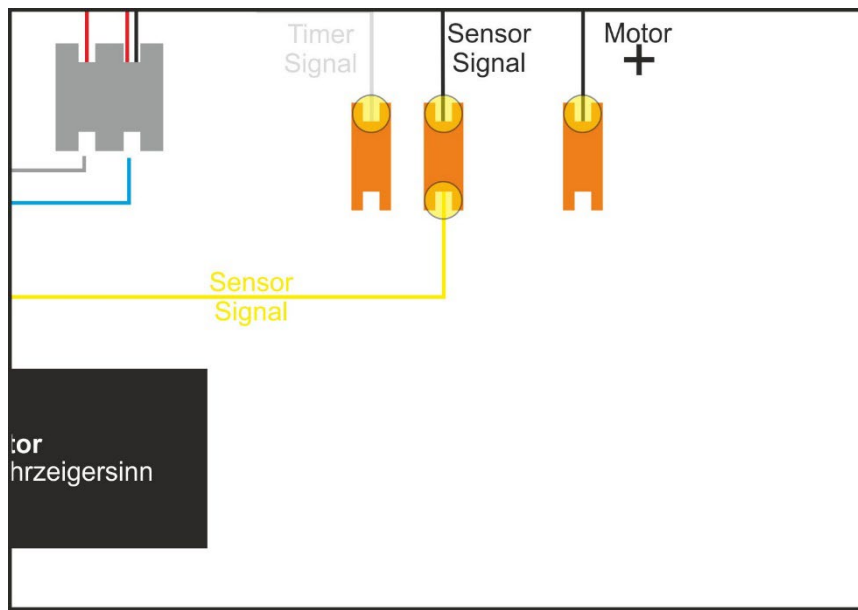
Step 2: Remove old 2-compartment connector

Now all remaining cables of the right-hand 2-way connector can be disconnected (circled in yellow in fig.). The 2-compartment connector is no longer needed.



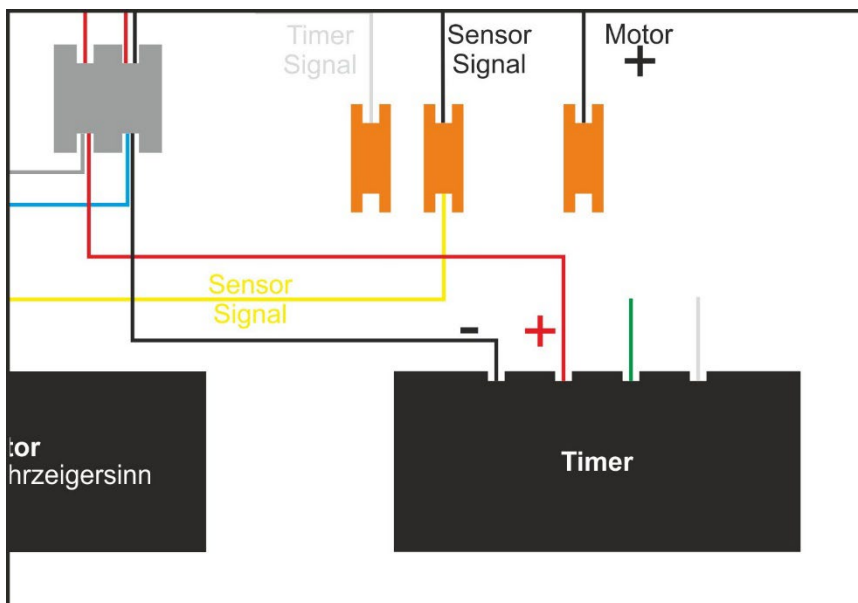
Step 3: Insert WAGO feed-through connector

Now the 3 WAGO feed-through connectors must be inserted. The black cable from the motor, the timer signal cable and the sensor signal cable must each be connected to 1 WAGO feed-through connector. The yellow cable from the sensor can be connected directly to the other end of the WAGO feed-through connector that has already been connected to the sensor signal cable.



Step 4: Reconnect the left 2-compartment connector

The new timer v2023 can now be inserted into the wiring harness. To do this, first twist the black minus cable of the timer with the blue cable of the sensor. In addition, the red positive cable of the timer must be twisted with the grey cable of the sensor. Then the two cable ends can be inserted into the 2-way connector as shown in the illustration.



Step 5: Final steps

Finally, the green cable of the timer must be clamped to the WAGO feed-through connector to which the timer signal is attached. After that, only the white cable of the timer has to be clamped to the WAGO feed-through connector to which the black motor cable is attached. Now the v2023 timer can be glued in place. The OGO is now ready for use again!

