



Manual Backup Switch for Fronius Symo GEN24 Plus 6.0-10.0kW

Disclaimer

This device should only be fitted by a suitably qualified competent person in accordance with relevant local safety standards and the manufacturer's installation instructions.

From time to time manufacturers may change the specifications of their products without notification. While Wind & Sun take all reasonable steps to ensure this document is up to date, it is the responsibility of the installer to verify the devices function as intended as part of the commissioning process.

Function overview

When installed correctly the three switch positions function as follows:

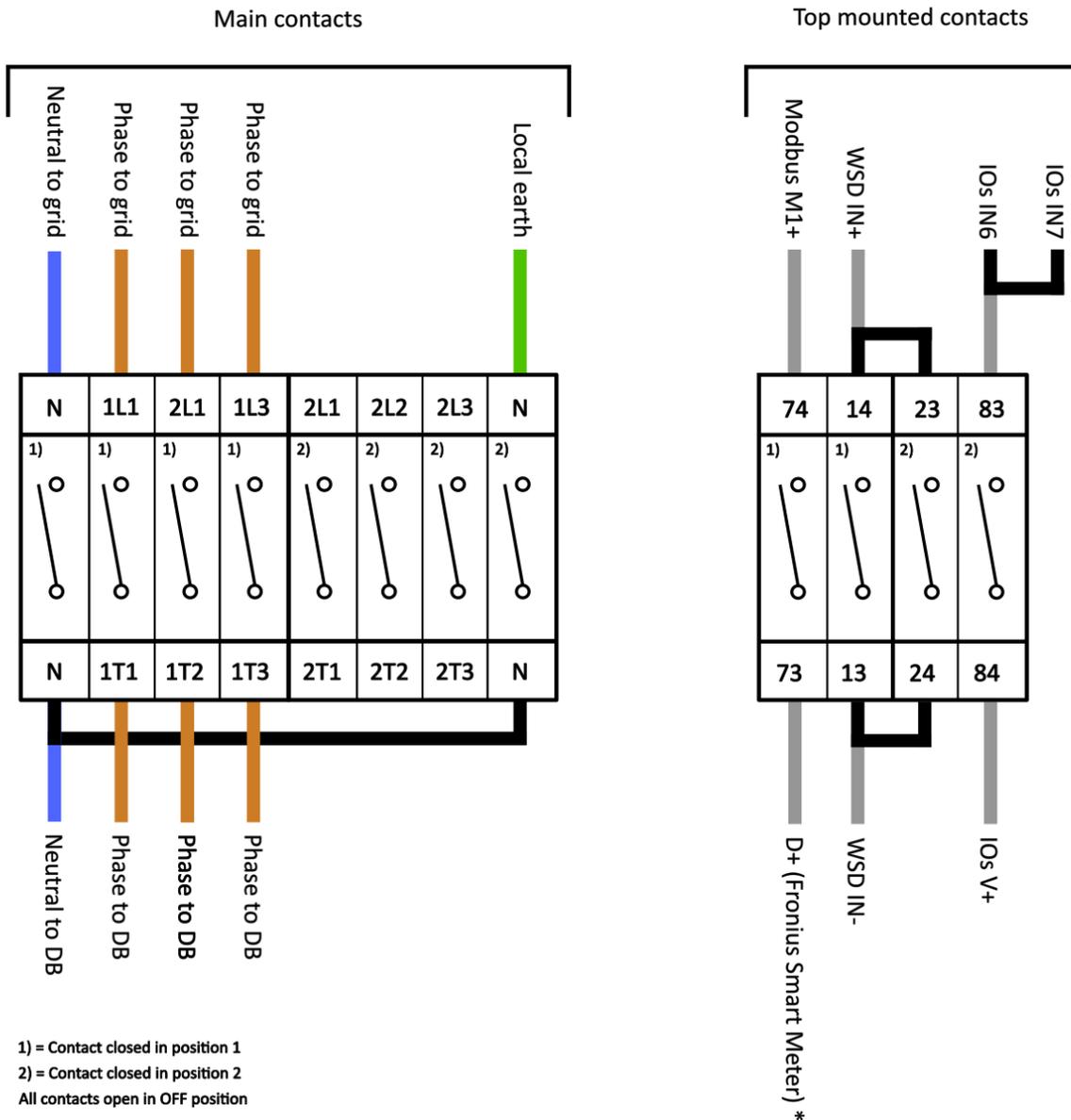
- Position 1 - Normal grid connected operation.
- Centre OFF - Distribution board disconnected from grid and inverter shut down.
- Position 2 - Backup power mode.

For a full explanation of manual backup functionality, consult the Fronius Symo GEN24 Plus 6.0 – 10.0 operating instructions (Backup power variant – Full Backup > Manual switch to backup power 3-pin separation, e.g. Austria / all-pin separation, e.g. Germany).



Switch wiring overview

The switch is shipped with jumpers which must be removed prior to installation. The Neutral jumper can be repurposed on the main contacts as shown below. The jumper wires for the top mounted contacts are not included.



* Fronius Smart Meter D- connects to Modbus MI- on inverter. MI+ and MI- cable should be a twisted pair.

Consult the operating instructions for a full circuit diagram (Circuit diagrams > Manual switch to backup power 4-pin separation, e.g. Germany). Note that the terminal layout differs from the switch used in the Fronius diagram, but the behaviour in each position is identical.



Inverter communication area

The below diagram shows the layout of the relevant inverter communication connections in the Fronius Symo GEN24 Plus. This is included for reference purposes, for a full explanation of the connections refer to the operating instructions (General information > Control elements and connections > Data communication area).

