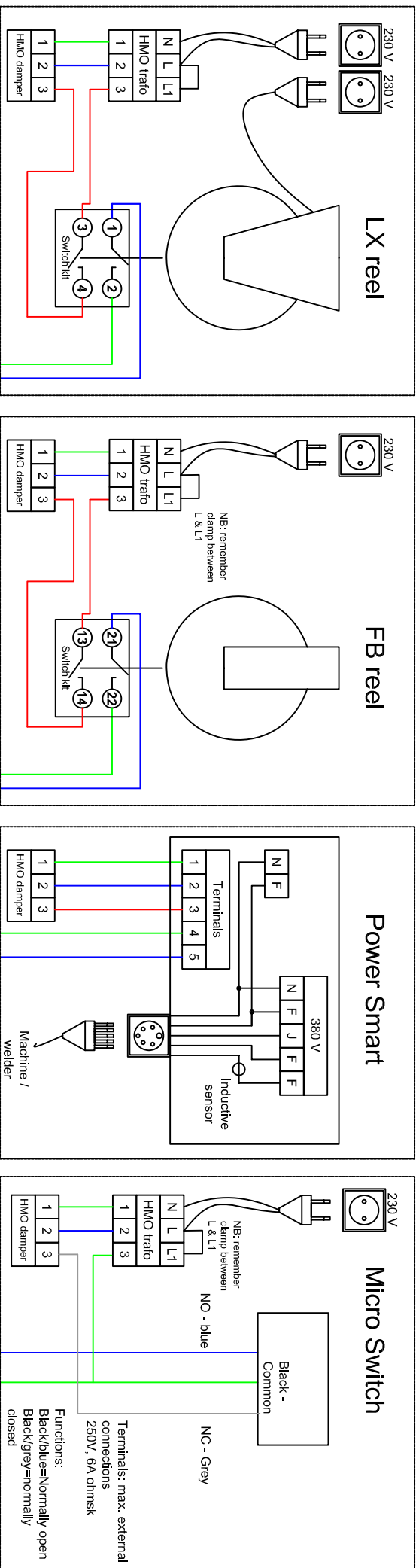


Multi wiring diagram for misc. switch kits, Multibox II & frequency inverters

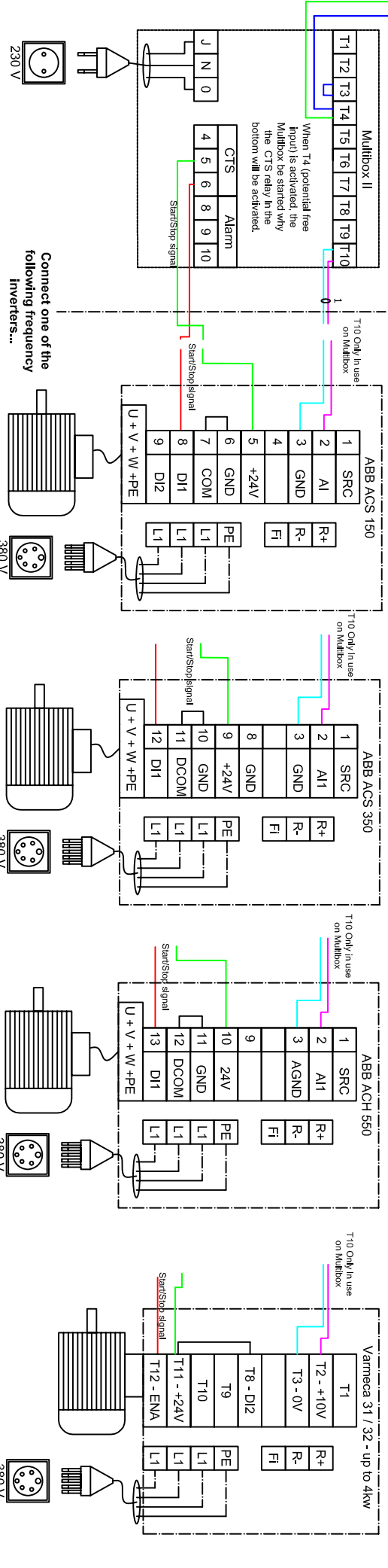


START/STOP SIGNAL FOR FAN/MULTIBOX

Etc.

Functions:
 Black/blue=Normally open
 Black/grey=normally closed

Terminals: max. external connections 250V, 6A ohmsk



Multibox II
 When T4 (potential free Input) is activated, the Multibox be started why the CTS relay in the bottom will be activated.

T10 Only in use on Multibox

T10 Only in use on Multibox

T10 Only in use on Multibox

T10 Only in use on Multibox

Varreca 31 / 32 - up to 4kw

Settings on Multibox:

- Quick guide - Please also see manual
- P0:** Version selection - choose 530 (often)
- P1:** Set point for regulation [Pa]
- P2:** Min. Alarm [Pa] lower pressure limit
- P3:** Max. Alarm [Pa] upper pressure limit
- P10:** Shows the actual pressure

Settings for Frequency inverter:

- Quick guide - for details see manual
- Ramp up:** Group 22 - 02 [S] (How fast shall the fan de-accelerate up to the requested set point - i.e. 30s.)
- Ramp down:** Group 22 - 03 [S] (How fast shall the fan de-accelerate down to the requested set point - i.e. 30s.)
- Frequency max:** Group 20 - 02 [-Hz] Here it's very important to use the supplied instruction manual for the fan, & from the supplied model, to determine the max. frequency from the curves. Newer set the frequency higher than the impeller allows, since this might damaged or lead to serious injuries.
- NB:** Max rpms & amp load on motor/impeller must not be exceeded.

Frequency min.:

- Group 20 - 03 [-Hz] NB: Minimum frequency can be set down to 15Hz. If set below 15 Hz, both motor and frequency inverter may be damaged.
- Max Amp consumption:** Group 20 - 07. [A]. From the type shield on the motor, please check the stated amp consumption for the motor, which is then typed into the frequency inverter. If the direction on the impeller has to be changed, this can be done on the motor or on the frequency inverter in group 13 - 09.

NB - IMPORTANT

In case that the frequency inverter shall give signal to main control center (AHU), the jumper in the bottom has to be moved (S1) from "I" to "U". YOU there by change the output from current to voltage.

Connect one of the following frequency inverters...

