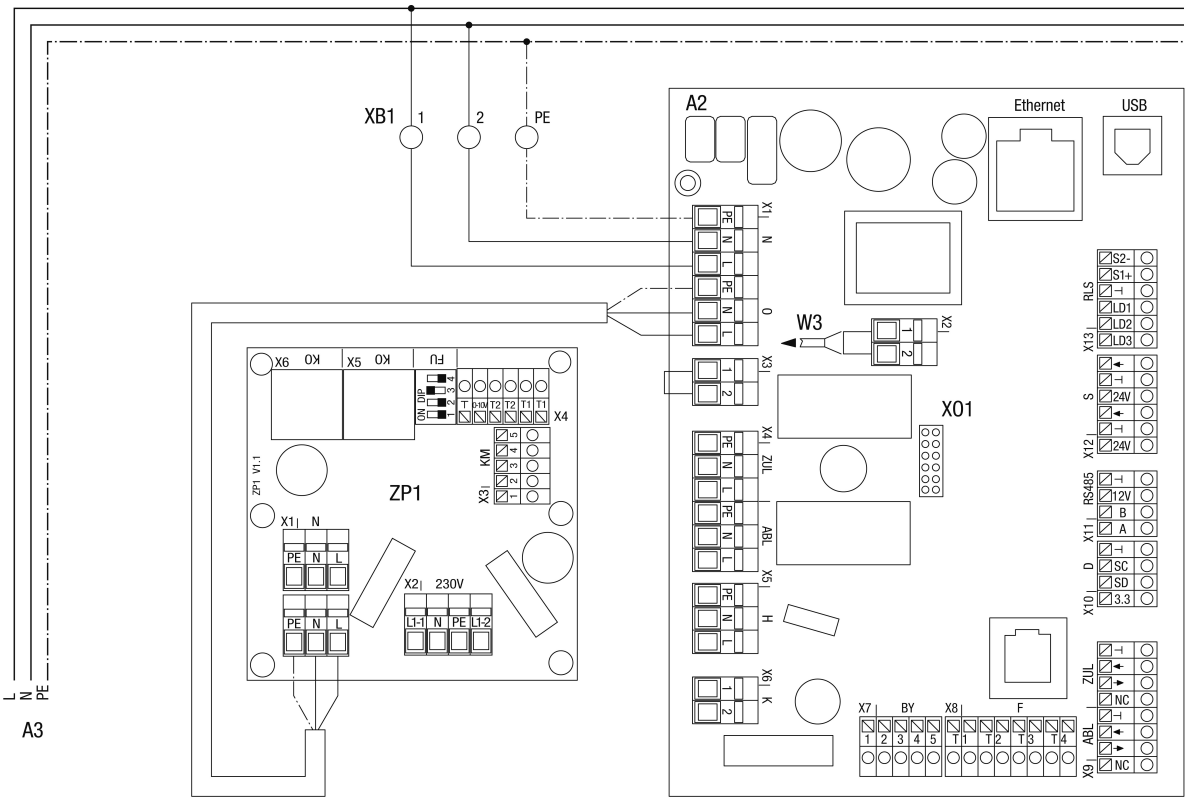
WIRING DIAGRAM

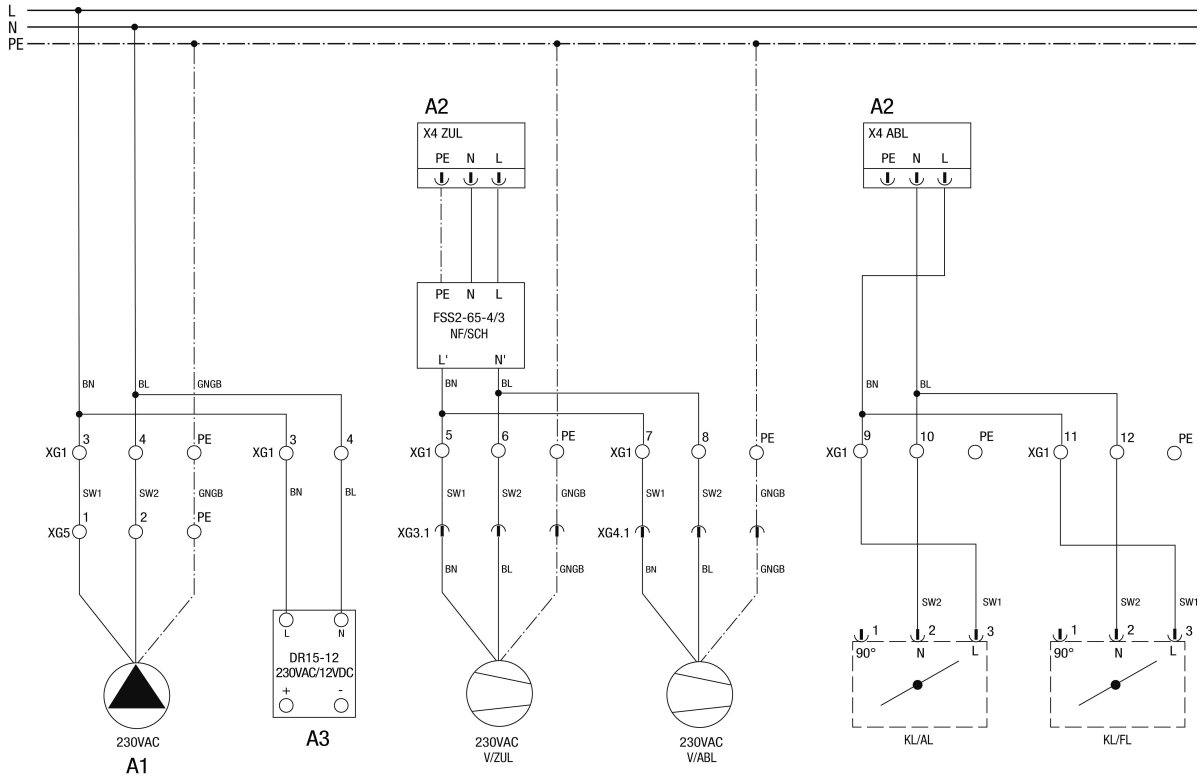
geniovent.x 600 F R-G-SU



geniovent.x circuit board connection diagram
A2 - CDV Controller
A3 - Mains connection 230V/50Hz/16A Fuse protection to be supplied by the customer
W3 - Connection duct (to be supplied by the customer) for external safety device with potential-free contact 12 V/2 A
X01 - Slot for optional EnOcean/KNX communication plug-in module
ZP1 - Expansion board ZP1 control system of supplementary heater (for units with pre- and re-heater)

WIRING DIAGRAM

geniovent.x 600 F R-G-SU



geniovent.x Connection diagram for condensate pump option
A1 - Condensate pump. Optional. Connection at units with sensitive heat exchanger
A2 - CDV Controller
A3 - Mains adapter. 12 VDC power supply, motion detector optional
V/ZUL - Fan supply air
V/ABL – Fan exhaust air
KL/AL - Shutter outside air
KL/FL - Shutter outgoing air

WIRING DIAGRAM

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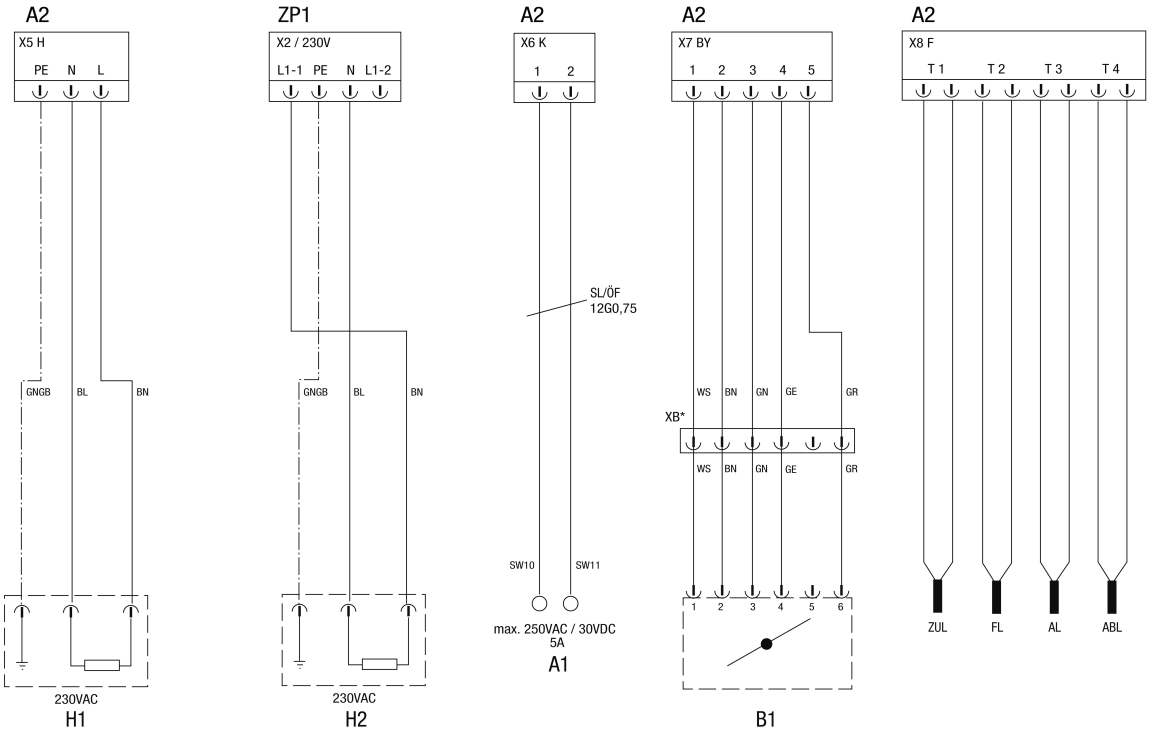

geniovent.x Connection diagram for pre-heater, re-heater, bypass drive
ABL - Exhaust air temperature sensor
AL - Outside air temperature sensor
A1 - Signal contact potential-free max. 250VAC / 30VDC, 5A ohmic. Observe configuration!
A2 - CDV Controller
BY - Bypass
B1 - Bypass drive (manufacturer: Bosch)
F - Sensor
FL - Outgoing air temperature sensor
H - heater
H1 - heater 1 (pre- or re-heater). Optional
H2 - heater 2 (re-heater). Optional
K - Contact
SL - Control cable
XB* - Plug connection only at unit variant GVX.S! 5-pin plug connection
ZP1 - Expansion board ZP1
ZUL - Supply air temperature sensor

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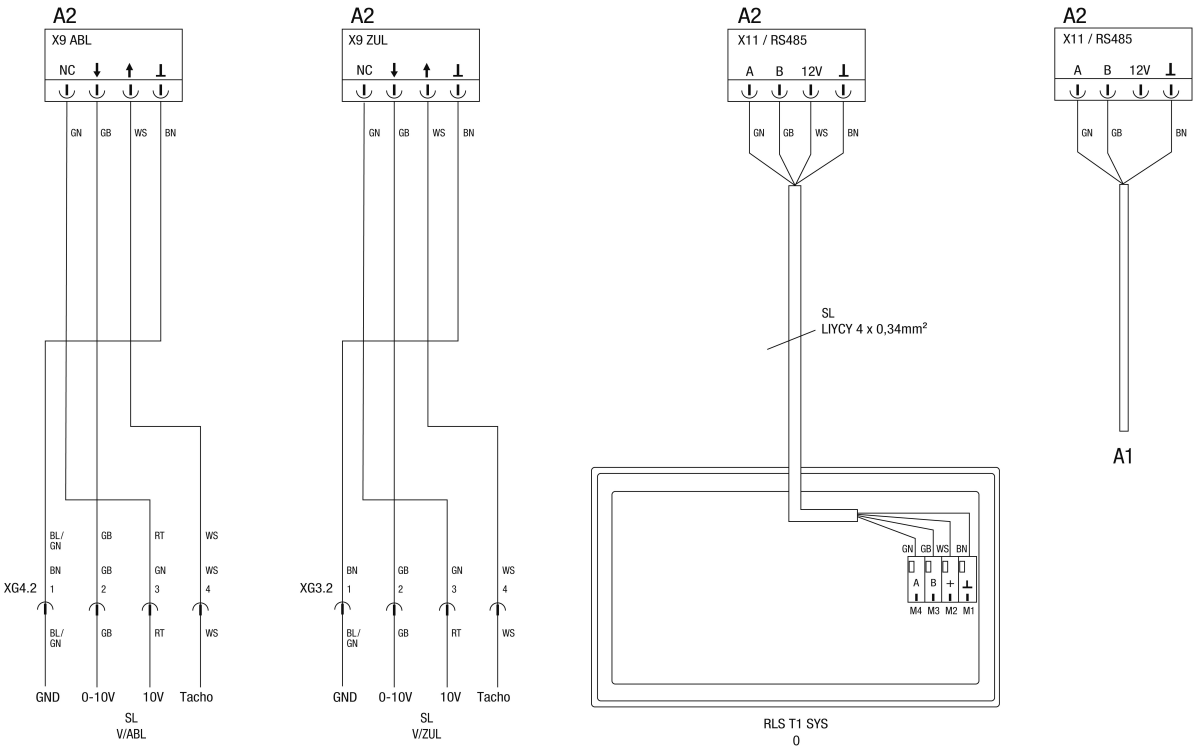

geniovent.x Connection diagram for fans, control panel
A1 - Alternative use as ModBus RTU interface. Note configuration! ModBus RTU cannot be combined with RLS T1 SYS!
A2 - CDV Controller
O - Optional
SL - Control cable
SL V/ABL - Control cable for exhaust air fan
SL V/ZUL – control cable for supply air fan
ZP1 - Expansion board ZP1. Control for supplementary heat register (for units with pre- and re-heater)

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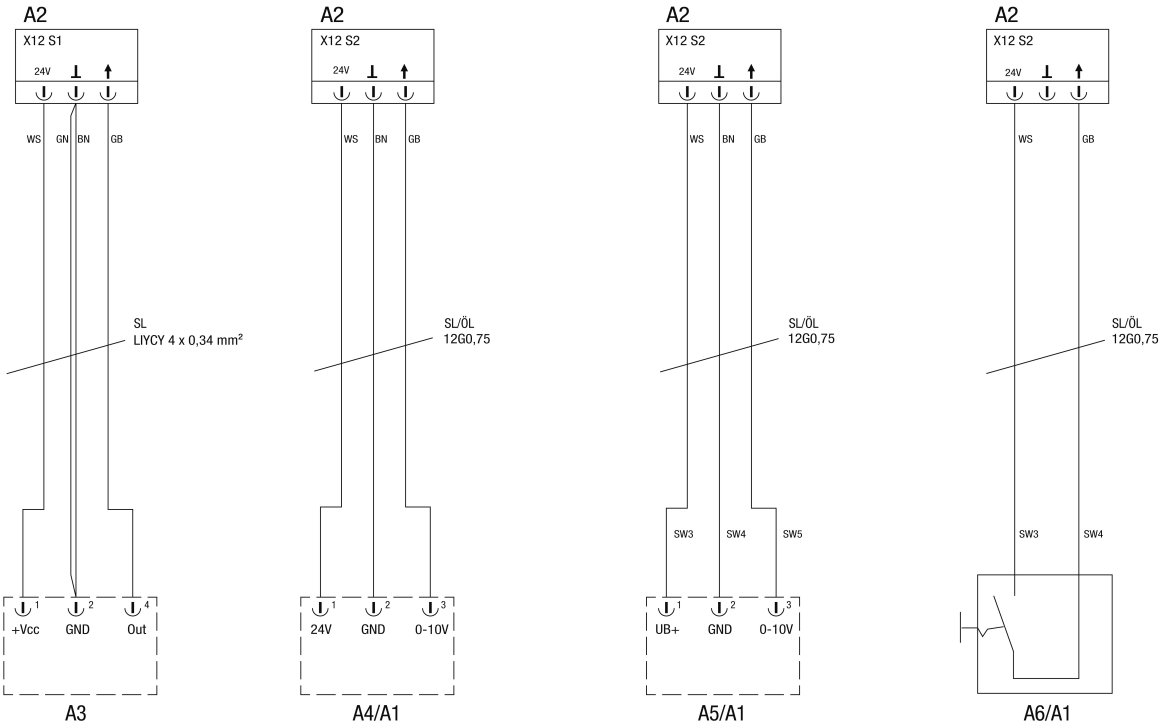

geniovent.x Connection diagram CO2 and VOC sensor, break button
A1 - Note sensor input configuration
A2 - CDV Controller
A3 - Internal CO2 sensor
A4 - External CO2 sensor, optional
A5 - External VOC sensor, optional
A6 - Pause Switch, optional
S - Sensor
SL - Control cable
SL/ÖL - Oilflex control cable

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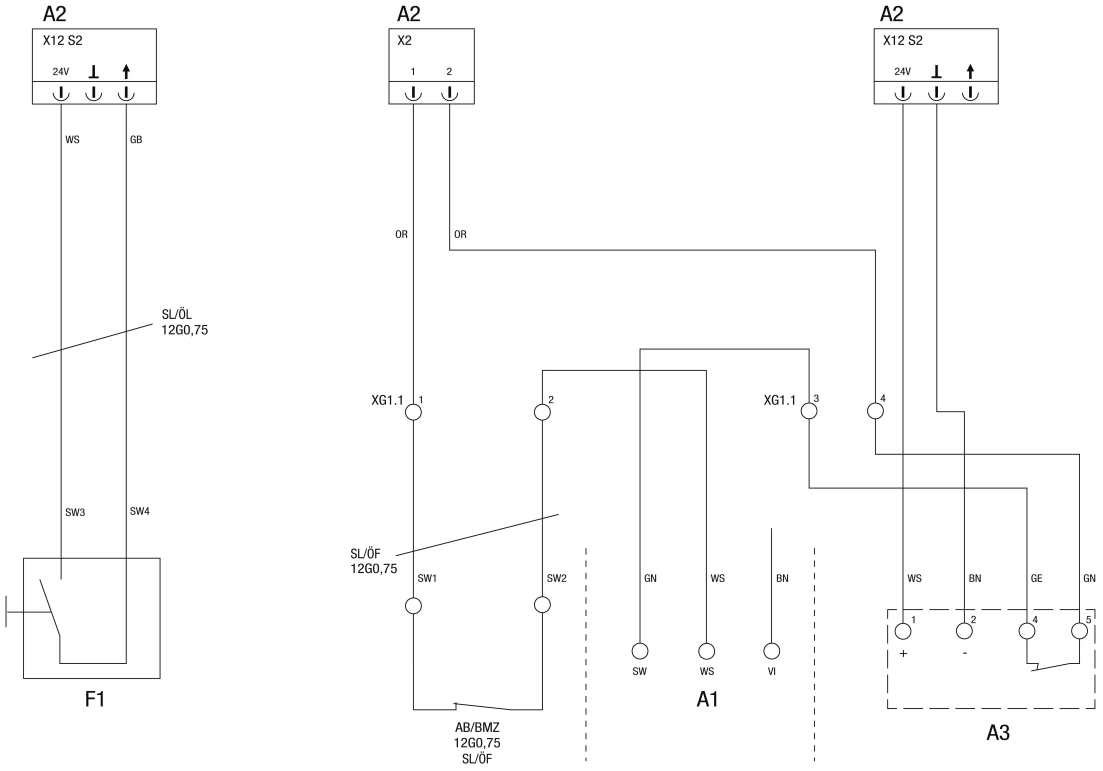

geniovent.x Connection diagram External On/Off, BMZ switch-off, KP fault, smoke switch
A1 - Condensate pump malfunction, optional. Connection for appliances with sensitive heat exchangers
A2 - CDV Controller
A3 - Hekatron ORS 144K smoke switch, internal units optional. Power supply via terminals X12
AB/BMZ - BMZ switch-off
F1 - External on/off function, night cooling or flush mode. Release unit / function start via closed potential-free contact. Note sensor input configuration.
S - Sensor
SL/ÖL - Oilflex control cable

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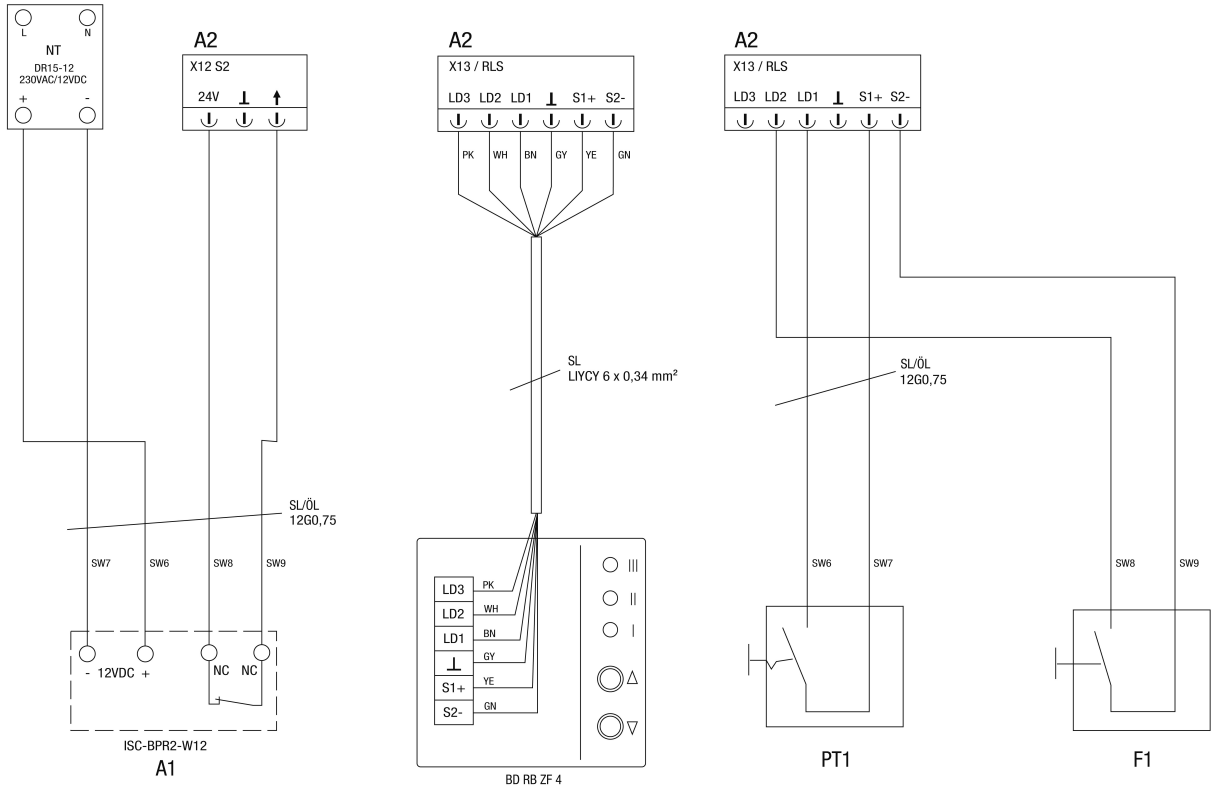

geniovent.x Connection diagram for motion detector, control panel, break button, external on/off switch
A1 - Bosch ISC-BPR-W12 motion detector, optional. Power supply via 12VDC power supply unit. Note sensor input 2 configuration. For power supply connection, see page 2.
A2 - CDV Controller
BD - Control panel
F1 - External on/off function, night cooling or flush mode. Release device/function type enabled via closed potential-free contact. Note configuration of sensor input 4.
NT - Mains adapter
PT1 - Pause button optional. Connection of optional components to input. Sensors 3 and 4 only possible if control panel RB ZF 4 is not used. Note configuration of sensor input 3.
S - Sensor
SL - Control cable
SL/ÖL - Oilflex control cable

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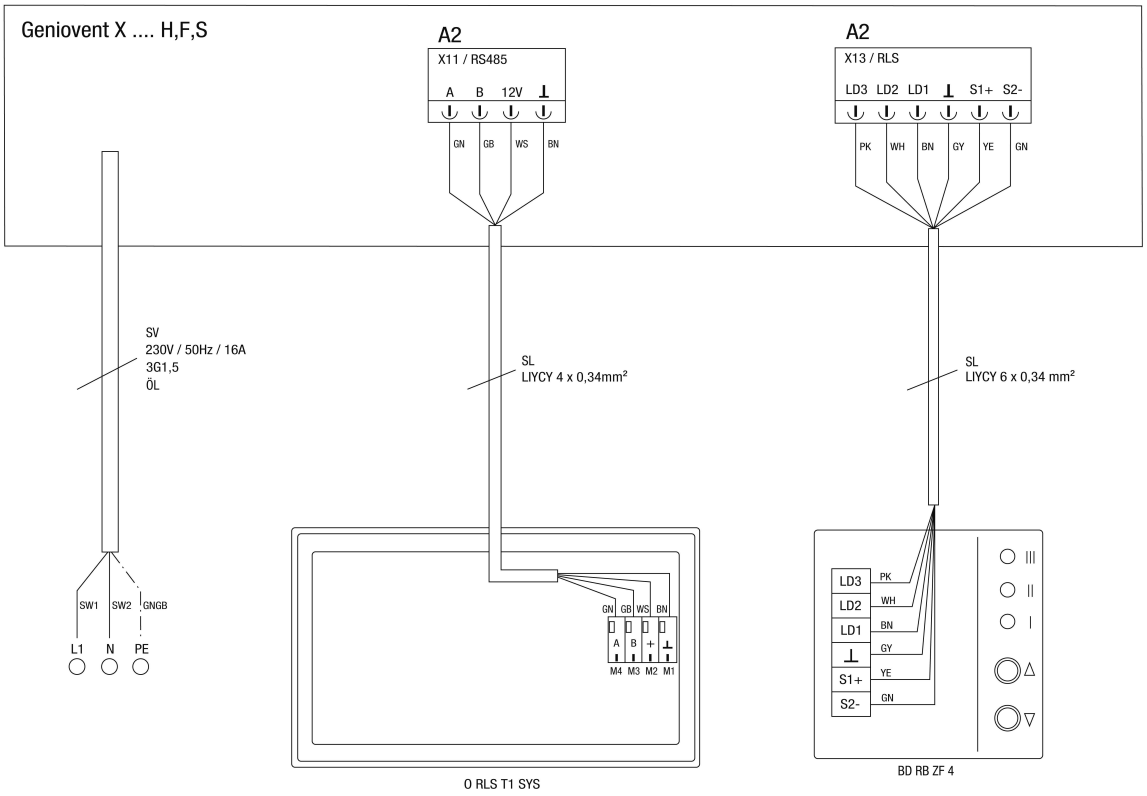

geniovent.x Connection diagram Cable connections Power supply, touch control panel RLS T1 SYS / standard control panel RB ZF 4
A2 - CDV Controller
BD - Control panel
O - Optional
SL - Control cable
SV - Power supply

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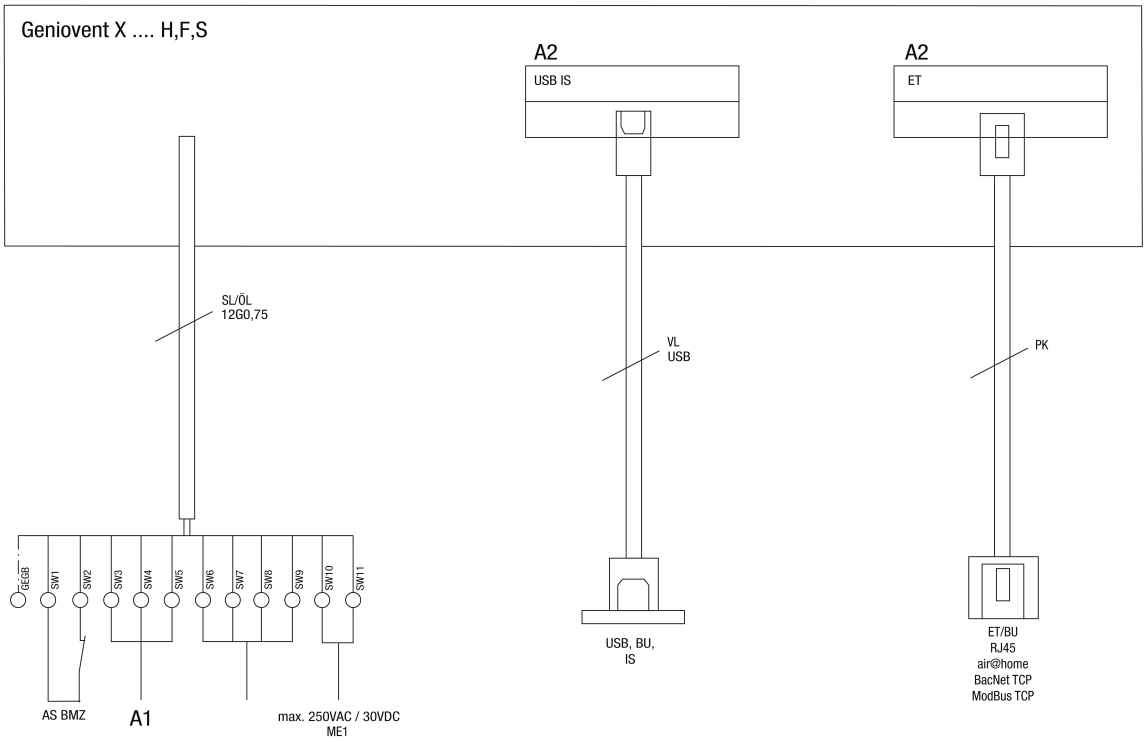


geniovent.x Connection diagram Cable connections Optional circuits via control line / USB socket / Ethernet socket

A1 - Connection (SW3-SW9) for external sensors/contacts. For component-dependent assignment, see sheets 5, 6, 7.

Information: When connecting external sensors using wires SW3-SW9, the wires must be connected on the controller side!

A2 - CDV Controller

AS BMZ - Switch-off BMZ

ET/BU – Ethernet/RJ45 socket maico@home/BACnet TCP/ModBus TCP

ME1 - Signal contact potential-free max. 250VAC / 30VDC, 5A ohmic. Please note the configuration!

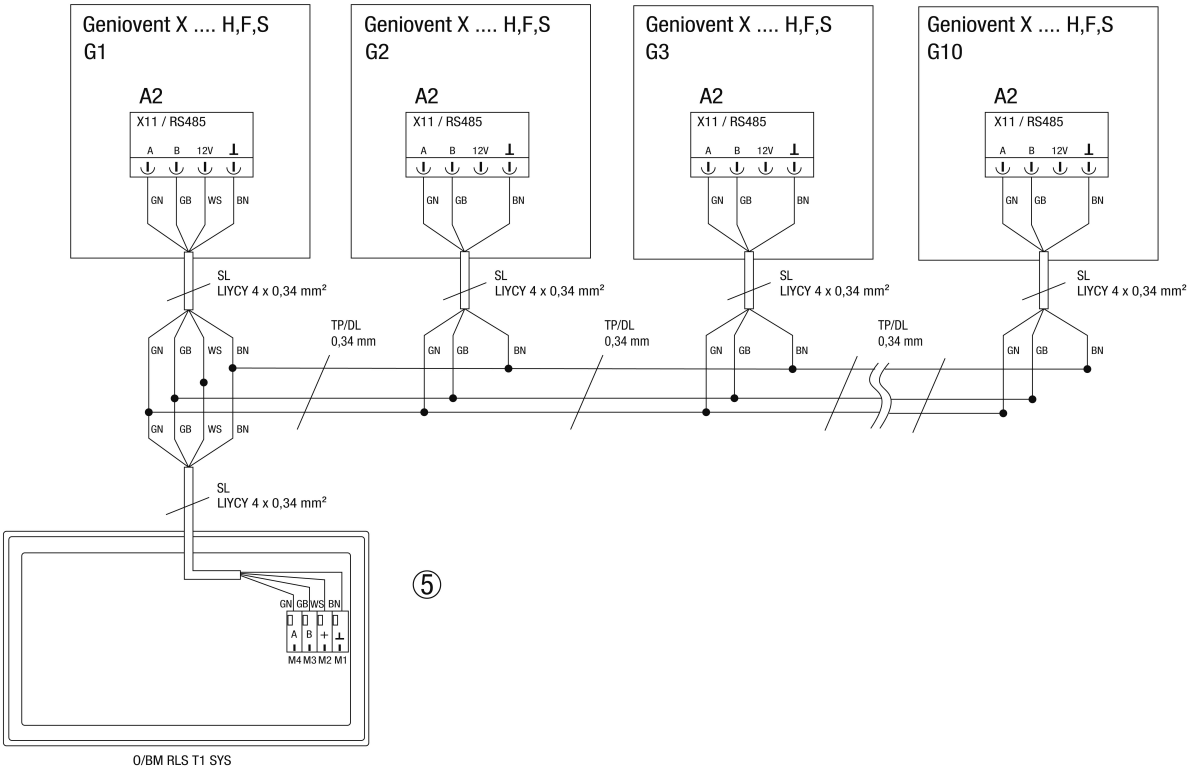
PK - Patch cable extension Cat 5

SL - Control cable

USB IS - USB / socket commissioning software

VL - Extension

geniovent.x 600 F R-G-SU



geniovent.x Connection diagram for RLS T1 SYS touch control panel for connecting multiple devices (1 to 10 devices)
A2 - CDV Controller
G - Device
SL - Control cable
TP/DL – Twisted pair data cable
O/BM - RLS T1 SYS. Optional bus master unit
5 - At using the RLS T1 SYS control panel as the system control panel, the maximum length of the RS-485 data cable must be limited to 500 metres.
A maximum of 10 ventilation units can be controlled via an RLS T1 SYS.
At use of the RLS T1 SYS as a system control panel, refer to the operating instructions for the necessary device settings.
In the event of communication disturbances, the data lines (A, B) at both ends must be terminated with 120 ohm resistors.