

GRID ELECTRICITY

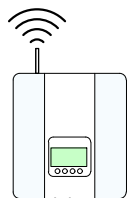
SUPPLY METER



CONSUMER UNIT
DEDICATED MCB 16A
TYPE A OR B



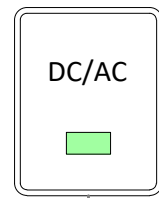
POWER
DIVERTER



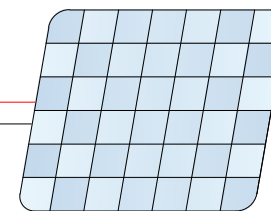
PV METER



INVERTER



SOLAR PV



DOUBLE-POLE
ISOLATING SWITCH
(min. 16A/10A*)



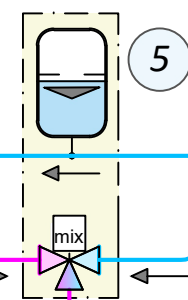
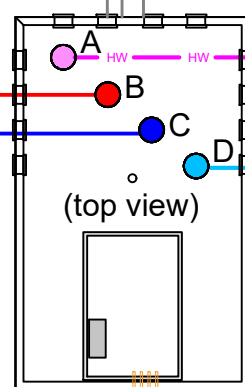
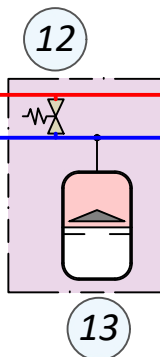
L1-N1-E

L2-N2-E

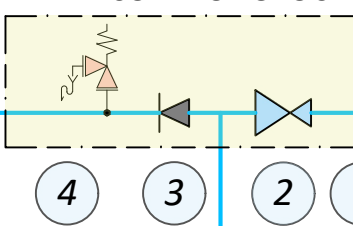
Heat Pump DHW
Demand Cable
(Volt-Free)

J3
(OPTB)

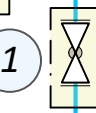
Wiring details on page 2



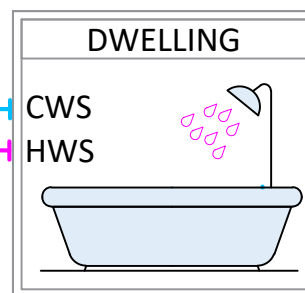
INLET CONTROL GROUP



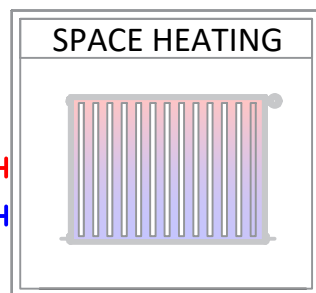
COLD
MAINS



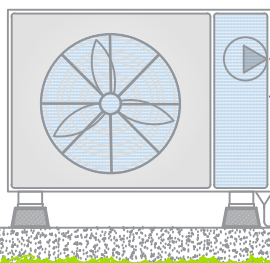
DWELLING



SPACE HEATING



HEAT PUMP



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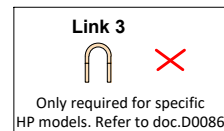
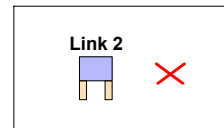
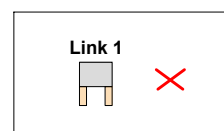
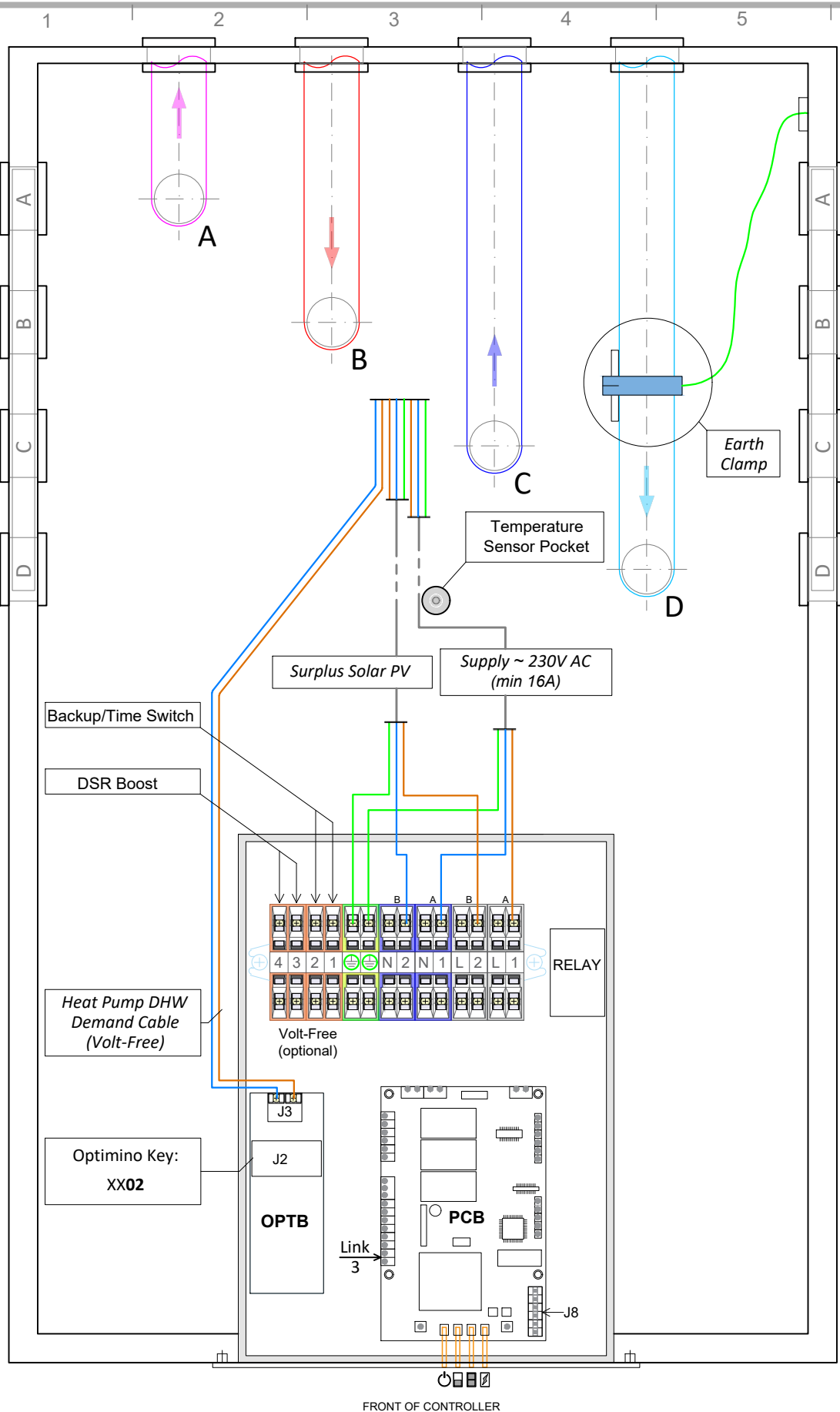
TITLE /

Thermino xPlus
with Heat Pump & Solar PV.

DOCUMENT N° SC01410
REVISION N° 00
DATE CREATED/ 11-07-2025
CREATED BY/ G. Rossi
CHECKED BY/ G. Calabrese
SHEET N° 1 of 3

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NUMBER DESCRIPTIONS (page 1)	
1	Heat Battery Isolation Valve
2	Pressure Reducing Valve
3	Check Valve
4	Expansion Relief Valve
5	Potable Water Expansion Vessel
6	Anti-thermosiphon (U -bend) Pipework
7	Hot Water Thermostatic Mixing Valve
8	Hot Water Flow Regulator
9	Dwelling Isolator Valves
10	Heat Pump (HP)
11	Central Heating/DHW Valve
12	Auto By-pass Valve
13	Central Heating Expansion Vessel
*	16A - 2800W Thermino xPlus models 10A - 1800W Thermino xPlus models

PRIMARY CIRCUIT (page 1)	
	External heat source flow Ø22mm
	External heat source return Ø22mm
	Mandatory plumbing components

SECONDARY CIRCUIT (page 1)	
	Cold water supply (CWS) Ø22mm
	Hot water supply (HWS) Ø22mm
	Mandatory plumbing components

ELECTRIC CIRCUIT (page 2)	
	Live
	Neutral
	Earth
	Supply ~ 230V AC, 16A - 2.5 mm ² 3 core H05 VV-F sheathed cable
	DHW Demand wiring 0.75 mm ² 2 core H05 VV-F shielded cable



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