

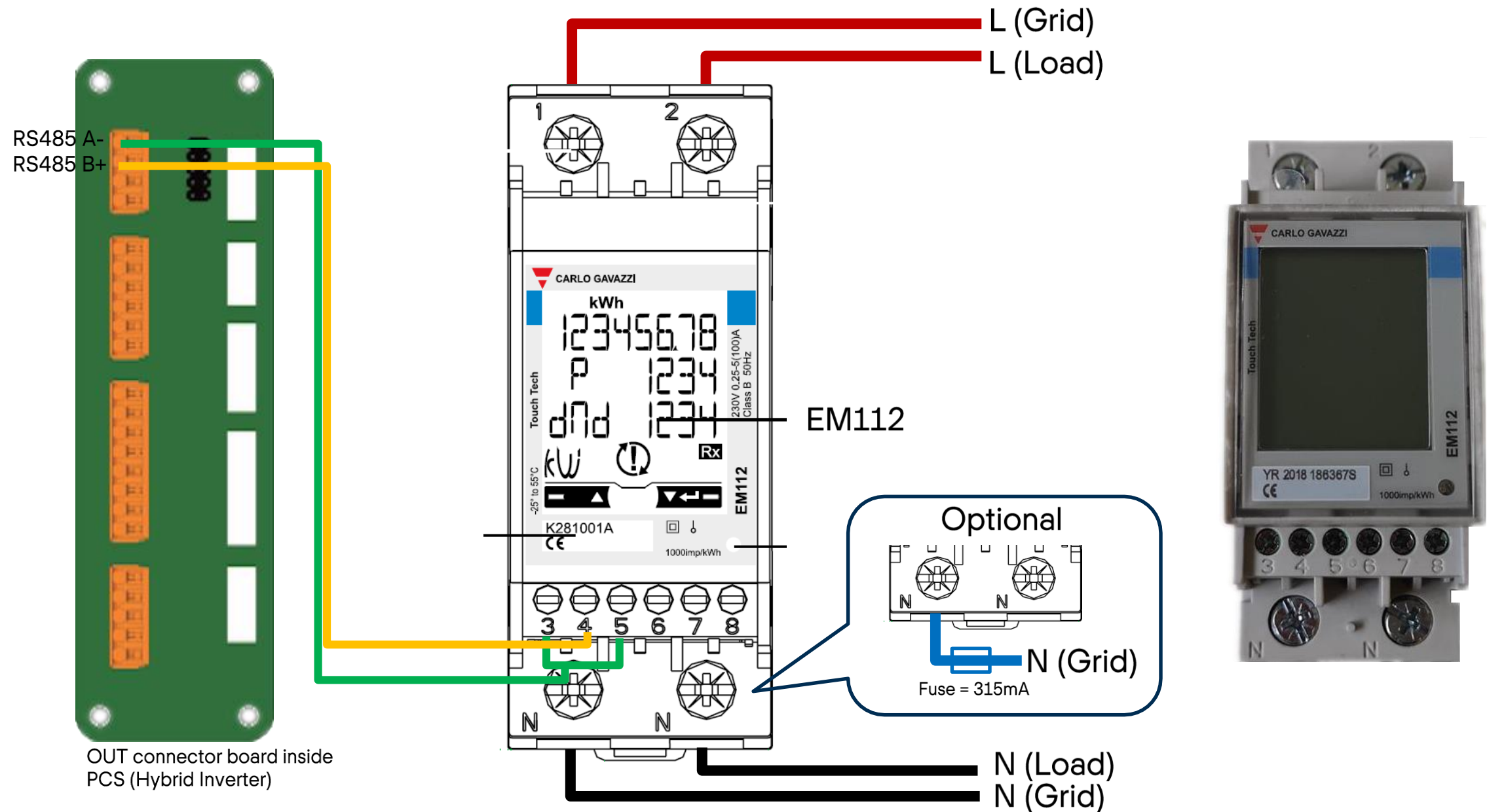
ENERGY METER CONNECTION GUIDE

Carlo Gavazzi EM24 & EM112 | Australia | Dec 2020

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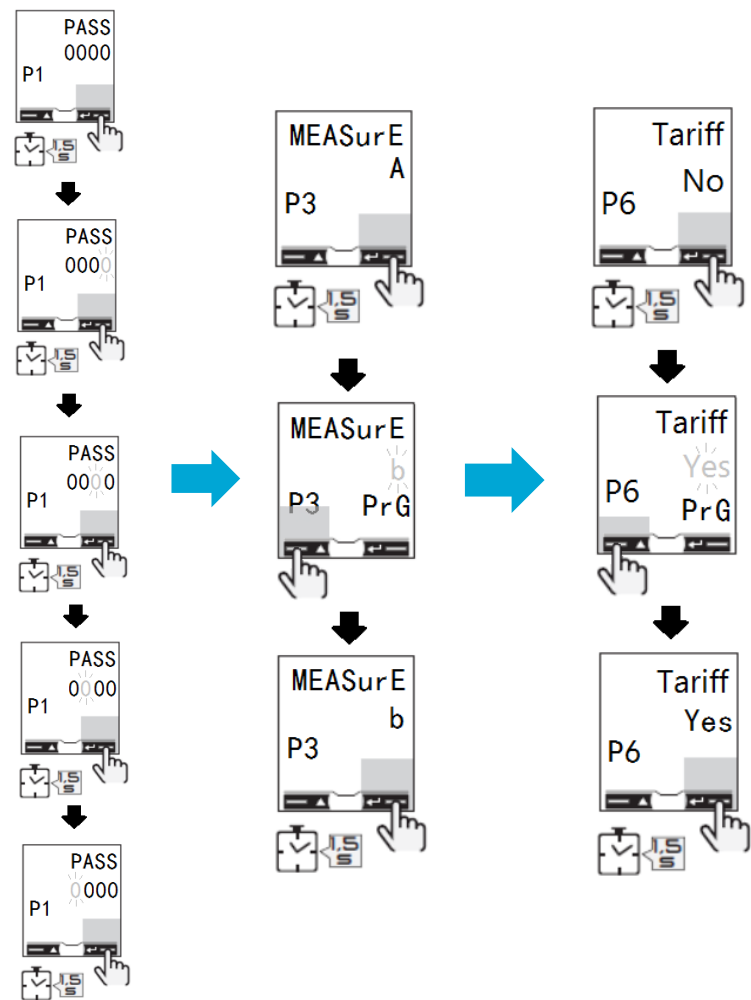
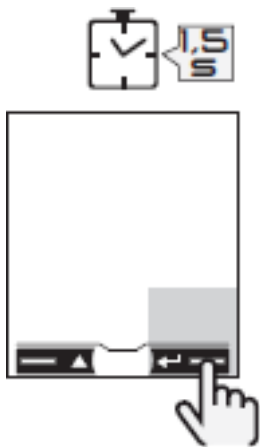
EM112 Wiring Connection



EM112 Settings Configuration

Steps to change parameters

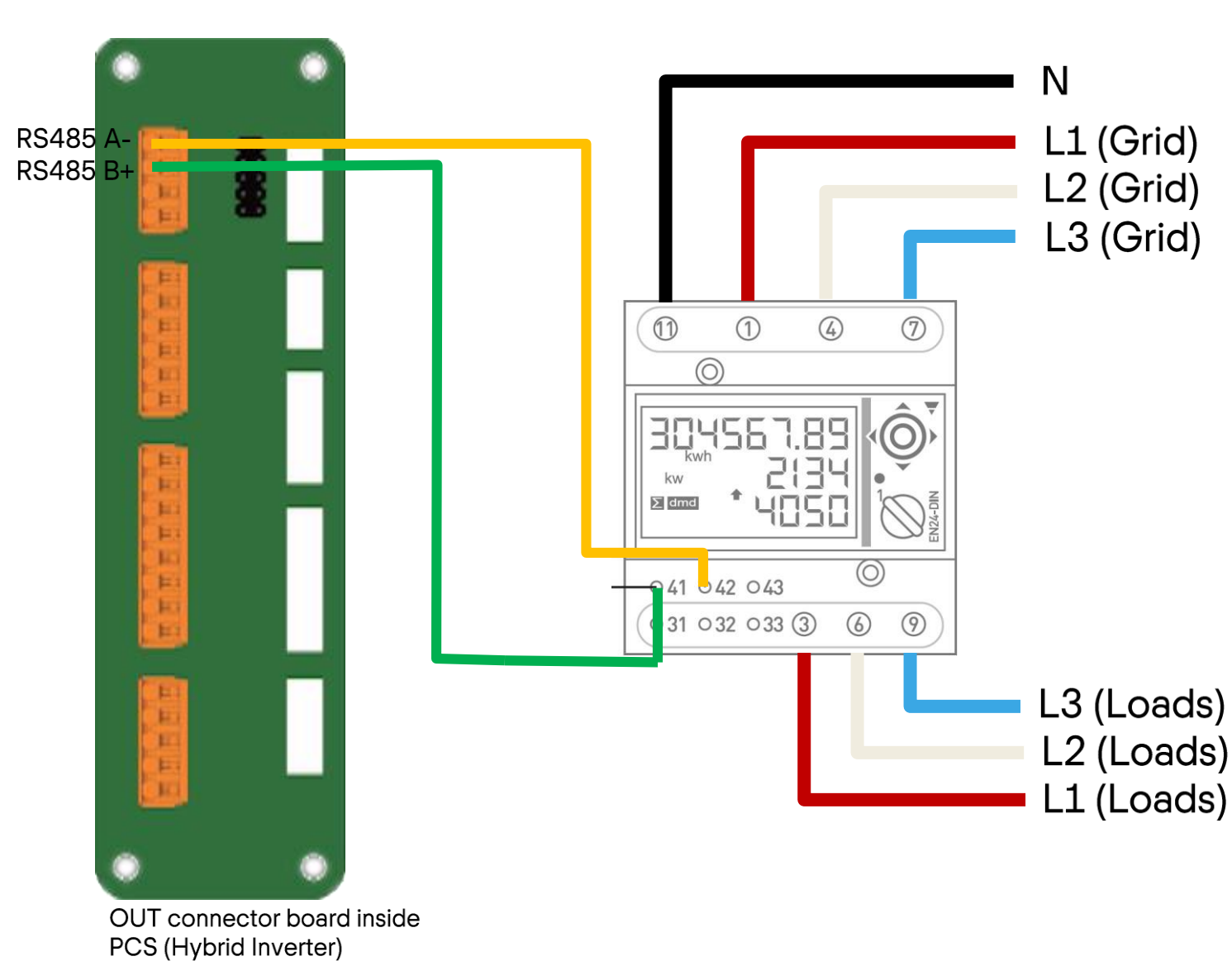
To enter programming mode



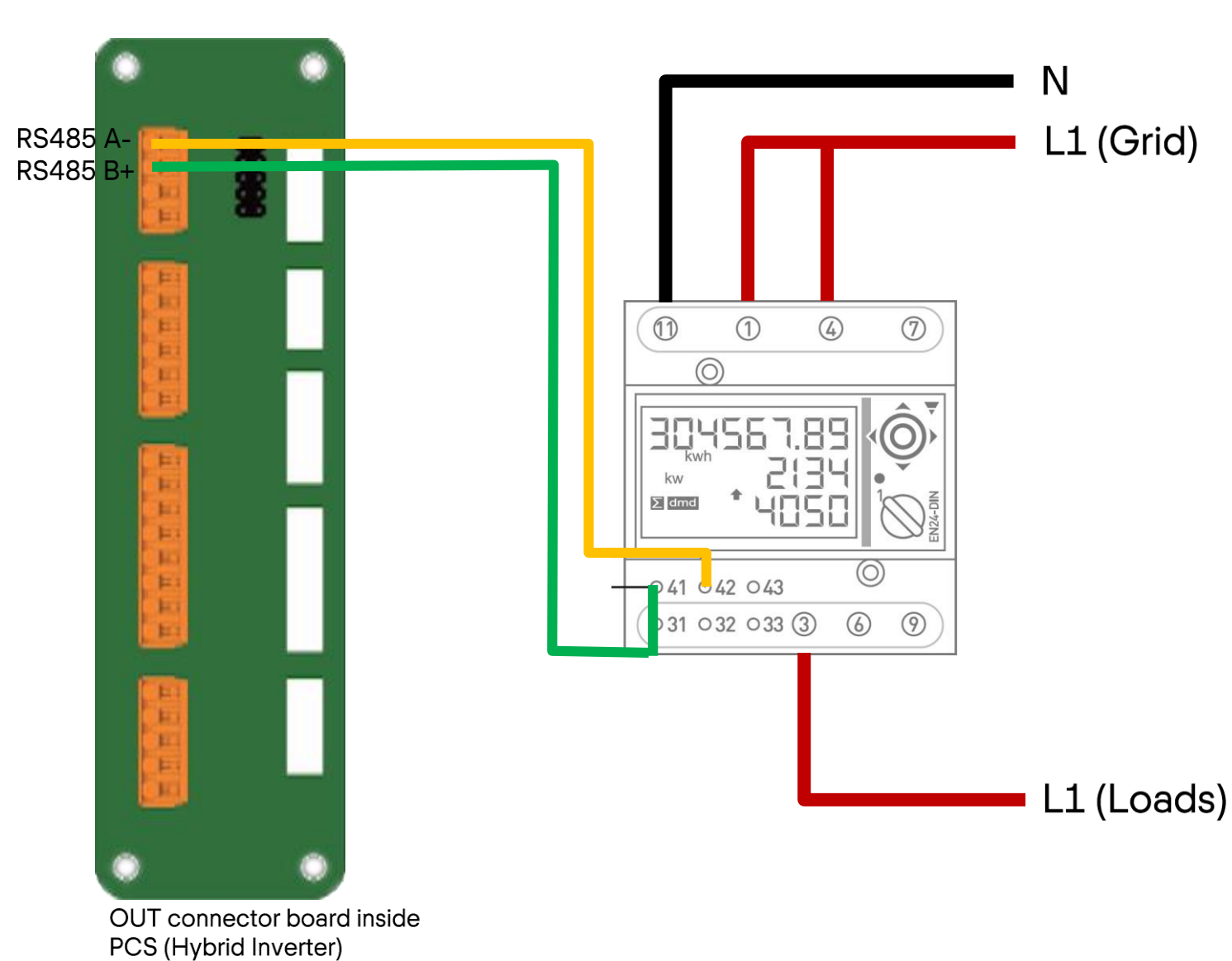
PARAMETERS	CODE	Default	New SETTINGS
PASS	P1	0000	0000
nPASS	P2	0000	0000
MEASurE	P3	A	b
P int	P4	1	1
Mode	P5	Full	Full
Tariff	P6	No	Yes
Home	P7	0	0
Address (S1 option)	P10	1	1
bAud (S1)	P11	9.6	9.6
ParltY (S1)	P12	No	No
RESET	P13	No	No
End		Exit	Exit

Demo: <https://www.youtube.com/watch?v=wm-aX0imqTc>

EM24 Wiring connections (Three Phase)

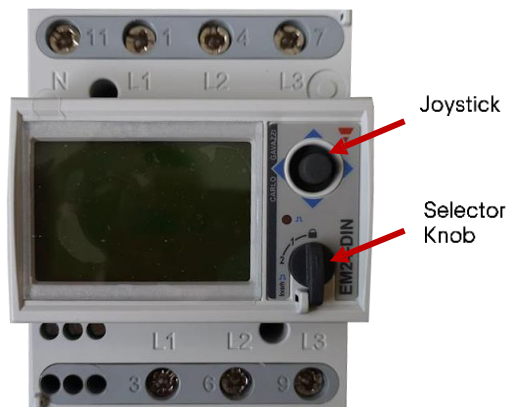


EM24 Wiring connections (Single Phase)



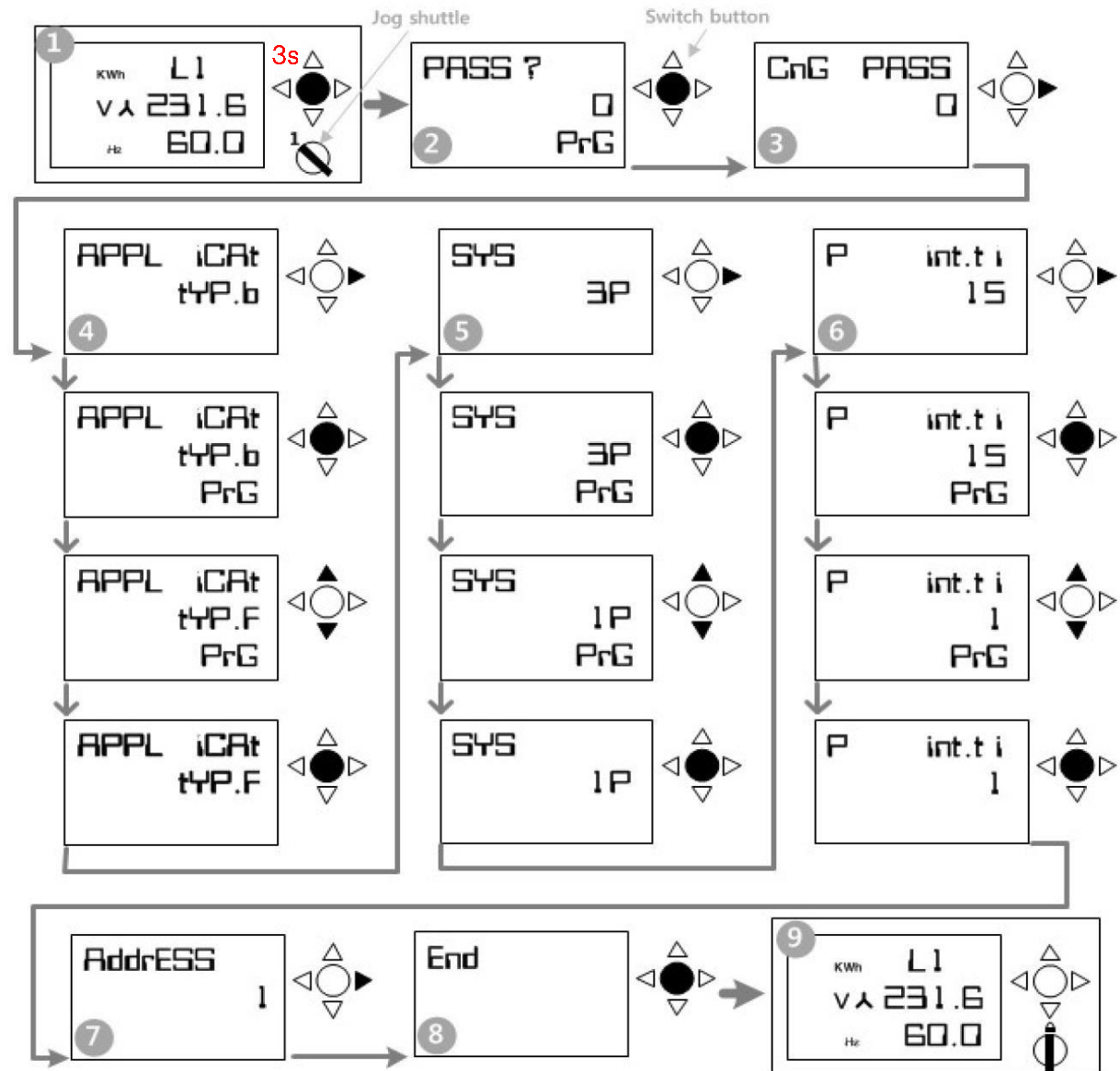
EM24 Settings configuration

PARAMETERS	CODE	Default	New SETTINGS
Password	Pass	0000	0000
Application type	APPLICAt	b	F
Page selection	Selector 1;2;3	1;28;31	1;28;31
System	SyS	3P.n	3P.n, 2 or 1
Power integration time	P int.ti	15	1
Digital input 1	diG in 1	Sync	Sync
Digital Input 2	diG in 2	Sync	Sync
Digital Input 3	diG in 3	Sync	Sync
Address	AddrESS	1	1
Reset of all counters (PW 1357)	Ene t.rEs	No	No
Exit and save	End		

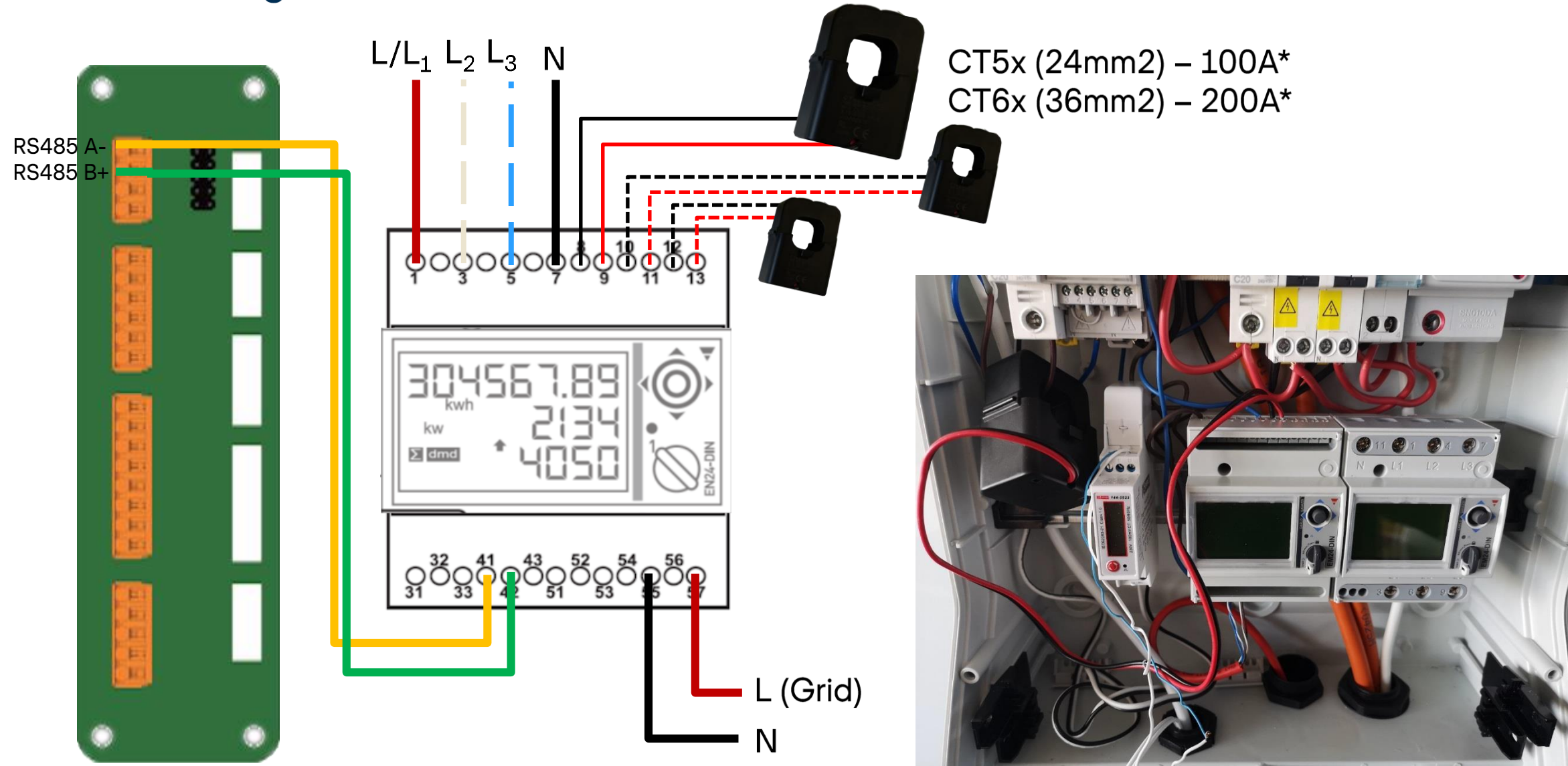


Legend

- Press & hold for 3 seconds
- Press once
- Push up, down, left or right



EM24 CT wiring connections



*higher rating is available upon request

EM24 CT Setting Configuration

PARAMETERS	CODE	Default	New SETTINGS
Password	Pass	0000	0000
Application type	APPLICAt	b	F
Page selection	Selector 1;2;3	1;28;31	1;28;31
System	SyS	3P.n	3P.n, 2 or 1
Voltage transformer ratio	Ut rAtio	1	1
Current transformer ratio	Ct rAtio	1	20 (CT5X100A)
Power integration time	P int.ti	15	1
Digital input 1	diG in 1	Sync	Sync
Digital Input 2	diG in 2	Sync	Sync
Digital Input 3	diG in 3	Sync	Sync
Digital filter (%)	FiLteRS	2	8
Digital filter coefficient	FiLteR.Co	2	32
Address	AddrESS	1	1
Reset of all counters (PW 1357)	Ene t.rEs	No	No
Exit and save	End		

Based on CT version 5X - 100A rating
(Primary : 100A, Secondary : 5A)

Ex) CT ratio = Primary / Secondary, 100A/5A = 20

