12.A1

12.A2

ENGLISH

12.A1/A2 DIGITAL ASTRO TIME SWITCH

Programmable with NFC technology with the App FINDER TOOLBOX downloaded from Google Play™

1 DISPLAY INDICATORS
A Setting Menu
B Days of the week (1=Mon...7=Sun)
C Holiday program
D Permanent Manual over-ride activated - channel A
E Channel A functions (ON, OFF, Astro ON, Astro OFF, Pulse)
F Day - Advanced/Retarded - seconds/minutes
G Channel B functions (ON, OFF, Astro ON, Astro OFF, Pulse)
H Permanent Manual over-ride activated - channel B (12.A2 only)
I Time-CP (post code), year, day, month, hours, minutes, daylight saving ON/OFF, holiday program (Start: day/month. Finish: day/month) PIN ON/OFF, End
L Time switch without power supply (powered by battery) - Low battery (with power supply)
M Cancel
N Program number (max 50) - IT (country), CP (leading two characters of CP), Coor (geographic coordinates in degrees), N(North)/S(South), E(East)/W(West), TZ(Time zone), Y(year), D(day), M(month), H(hour), M(minutes), Daylight saving ON/OFF (EU=Europe – BR=Brazil – AU=Australia) Holiday program (Start: day/month. Finish: day/month)
O Programming

2 SETTINGS (examples)
2a Setting: Country, CP (leading two characters of CP), year, day, month, hour, minutes, EU (daylight saving)
2b Holiday program (Start: day/month. Finish: day/month), PIN, END
2c Setup by geographic coordinates. Start at 2a, but at the select Country or select CP stage, scroll down with ▽ to enter Coor setting. Continue by setting the coordinates and time zone. Latitude: North-South. Longitude: East-West. Time zone(TZ)

3 PROGRAMMING (examples)
3a ASTRO ON - ASTRO OFF Function (18:19 Astro ON + retarded 10 min - 05:20 Astro OFF + advanced 20 min); Day: Mon...Fri
3b ON - OFF Function (6:25 ON - 19:15 OFF, Mon, Wed, Fri, Sun)
3c PULSE function (11:00 pulse 5 s, Mon Wed Fri)

4 MANUAL MODE
4a Manual ON/OFF channel A
4b Manual ON/OFF channel B (only 12.A2)
4c Permanent Manual over-ride ON/OFF - Channel A
4d Permanent Manual over-ride ON/OFF - Channel B (12.A2 only)

5 DELETION of all program

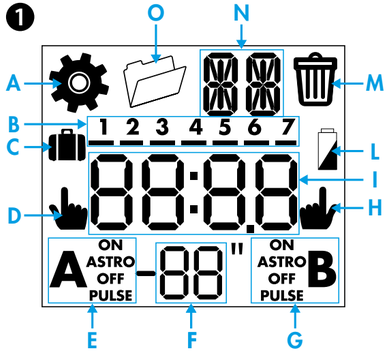
6 DELETION of single program

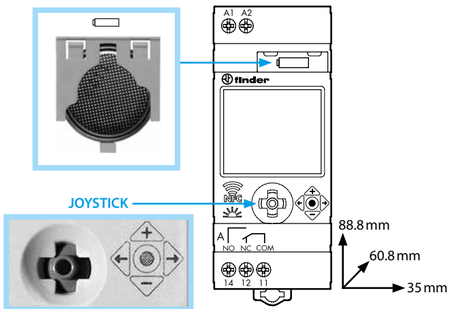
NOTE
- Battery replacement: BATTERY CR 2032 ($LiMnO_2$) 3V, 230mAh. Complies with Article 11, EU directive 2006/66/CE. Dispose of batteries according to local regulations
- Back-light display (only with power supply)
- Minimum switching interval: 1 second (pulse function)
- ASTRO times vary over the year, time switch times remain constant

finder
SWITCH TO THE FUTURE

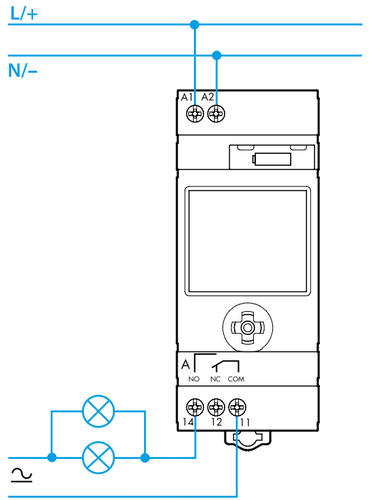
finder

EN 60669-1 / EN 60669-2-1		
	12.Ax.8.230.0000 U_N 110...230 V AC (50/60 Hz) / DC U_{min} - U_{max} 90 V - 264 V (AC/DC) P 2.8 VA (50 Hz) / 0.9 W	
	12.A2.0.024.0000 U_N 24 (12...24) V AC (50/60 Hz) / DC U_{min} - U_{max} 10 V - 30 V (AC/DC) P 2.2 VA / 1.2 W	
	1 CO (SPDT) (12.A1) 2 CO (DPDT) (12.A2) 16 A 250 V AC	
	AC1 4000 VA AC15 (230 V AC) 750 VA	
	(230 V)	2000 W
	(230 V)	750 W
	CFL-LED (230 V)	400 W
	(–20…+50)°C	
IP20		

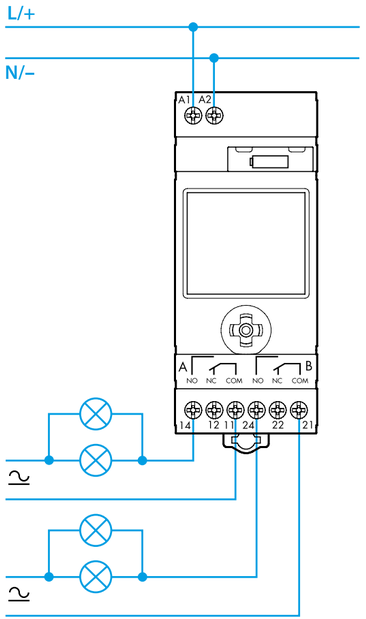


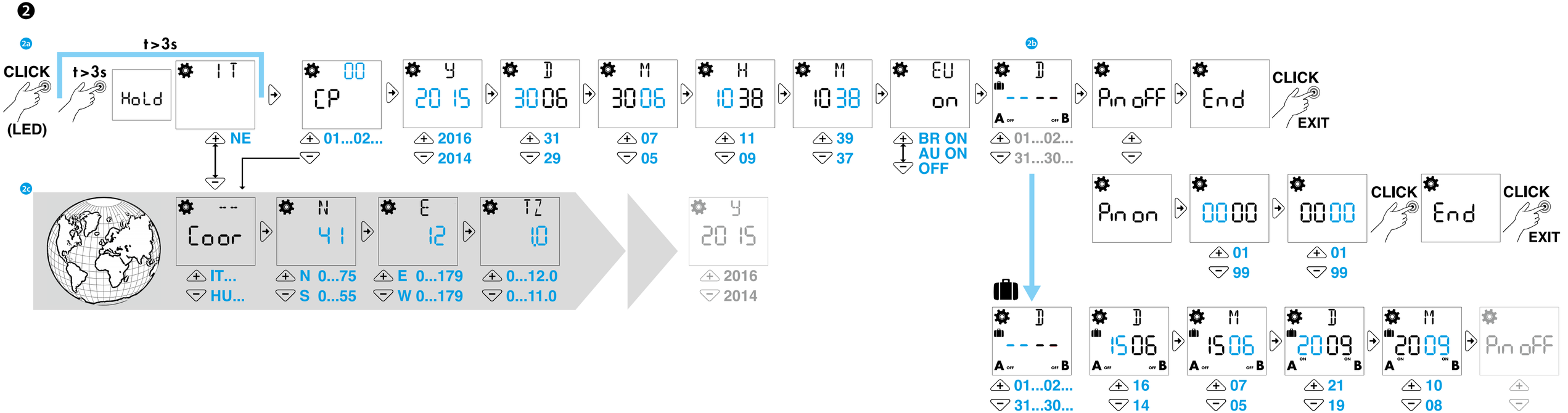


12.A1



12.A2




2
2a
t>3s
CLICK
(LED)
t>3s
HoLd
IT
NE
00
CP
01...02...
Y
2015
2016
2014
D
3006
31
29
M
3006
07
05
H
1038
11
09
M
1038
39
37
EU
on
BR ON
AU ON
OFF
2b
D
- - - -
A OFF
OFF B
01...02...
31...30...
PinoFF
End
CLICK
EXIT
2c
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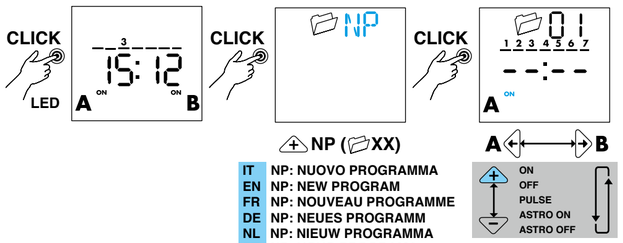
Coor
IT...
HU...
N
41
N 0...75
S 0...55
E
12
E 0...179
W 0...179
TZ
1.0
0...12.0
0...11.0
Y
2015
2016
2014
PinOn
0000
01
99
0000
01
99
CLICK
End
CLICK
EXIT
D
- - - -
A OFF
OFF B
01...02...
31...30...
D
1506
A OFF
OFF B
16
14
M
1506
A OFF
OFF B
07
05
D
2009
A ON
ON B
21
19
M
2009
A ON
ON B
10
08
PinoFF

3

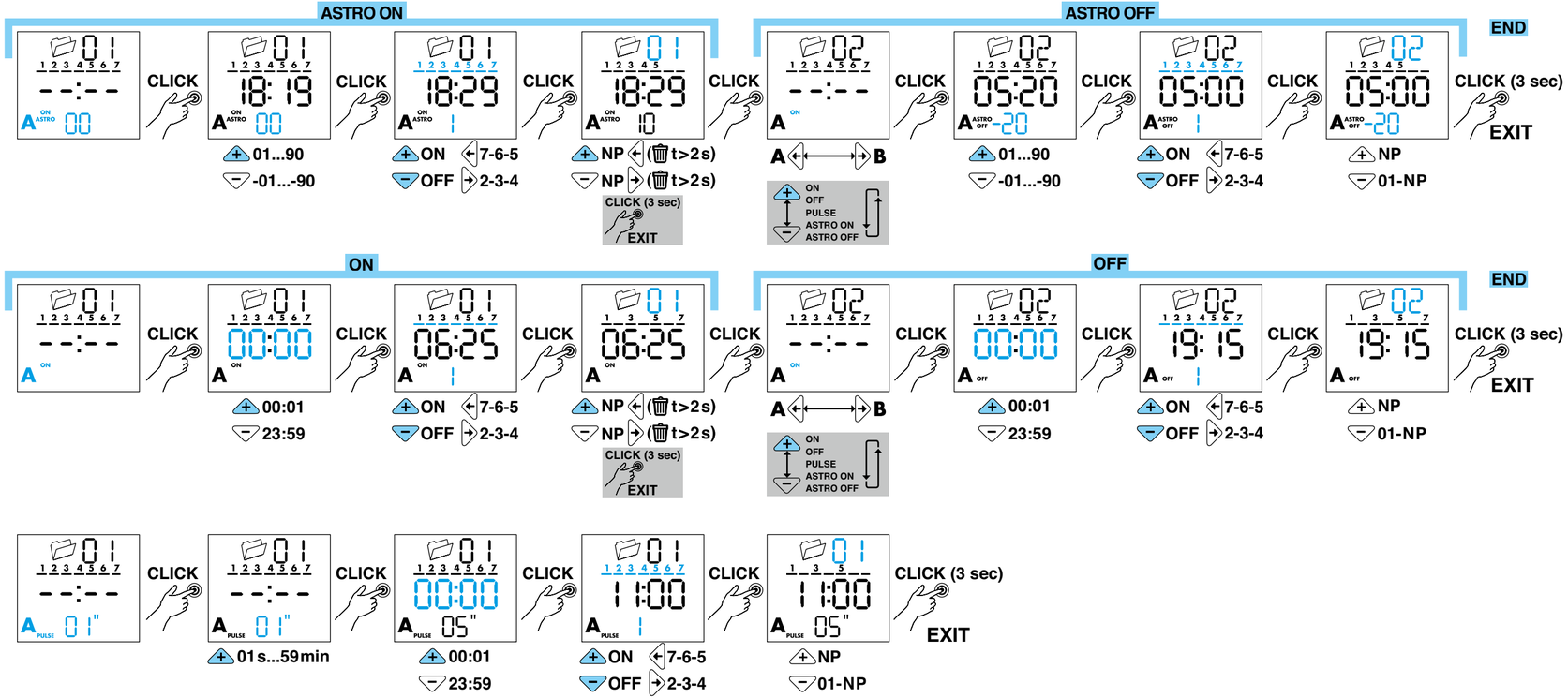


IT	NP: NUOVO PROGRAMMA
EN	NP: NEW PROGRAM
FR	NP: NOUVEAU PROGRAMME
DE	NP: NEUES PROGRAMM
NL	NP: NIEUW PROGRAMMA
PT	NP: NOVO PROGRAMA
ES	NP: PROGRAMA NUEVO
HU	NP: ÚJ PROGRAM
CS	NP: NOVÝ PROGRAM
PL	NP: NOWY PROGRAM
RO	NP: PROGRAM NOU
RU	NP: НОВАЯ ПРОГРАММА
EL	NP: ΝΕΟ ΠΡΟΓΡΑΜΜΑ
AR	NP: برنامج جديد

3a **ASTRO ON**
ASTRO OFF

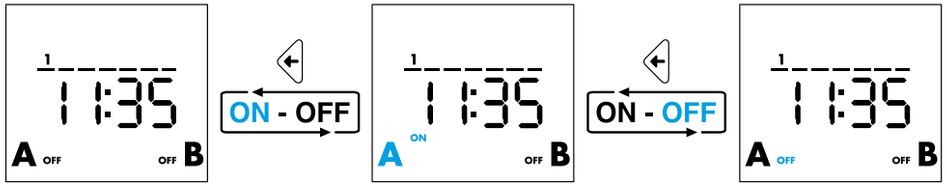
3b **ON-OFF**

3c **PULSE**



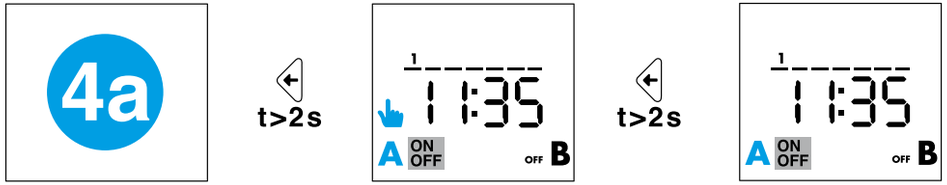
4

4a

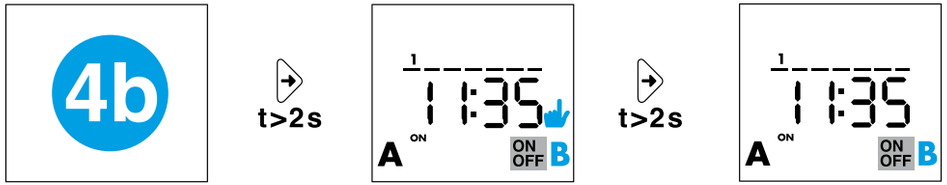


4b

4c



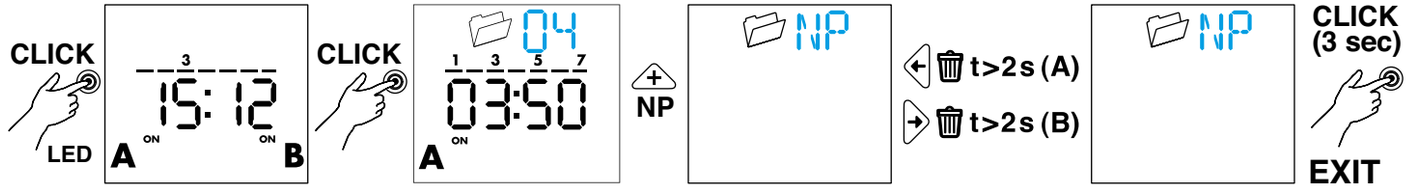
4d



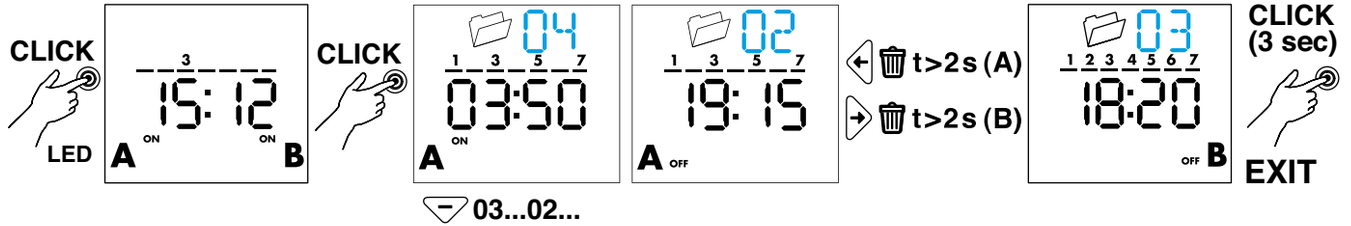
5

IT	CANCELLAZIONE DI TUTTI I PROGRAMMI
EN	DELETION OF ALL PROGRAM
FR	SUPPRESSION DE TOUS LES PROGRAMMES
DE	LÖSCHEN ALLER PROGRAMME
NL	WISSEN VAN ALLE PROGRAMMA'S
PT	DELETAR TODOS OS PROGRAMAS
ES	BORRAR TODOS LOS PROGRAMAS

HU	AZ ÖSSZES PROGRAM TÖRLÉSE
CS	ODSTRANĚNÍ VŠECH PROGRAMU
PL	USUNIĘCIE WSZYSTKICH PROGRAMÓW
RO	ŞTERGE TOATE PROGRAMELE
RU	УДАЛЕНИЕ ВСЕХ ПРОГРАММ
EL	ΔΙΑΓΡΑΦΗ ΌΛΩΝ ΤΩΝ ΠΡΟΓΡΑΜΜΆΤΩΝ
AR	محو كل البرامج



6

IT	CANCELLAZIONE DI UN SINGOLO PROGRAMMA
EN	DELETION OF SINGLE PROGRAM
FR	SUPPRESSION D'UN SEUL PROGRAMME
DE	LÖSCHEN EINES PROGRAMMES
NL	WISSEN VAN EEN ENKEL PROGRAMMA
PT	DELETAR UM ÚNICO PROGRAMA
ES	BORRAR UN PROGRAMA

HU	EGY PROGRAM TÖRLÉSE
CS	ODSTRANĚNÍ JEDNOHO PROGRAMU
PL	USUNIĘCIE JEDNEGO PROGRAMU
RO	ŞTERGE UN SINGUR PROGRAM
RU	УДАЛЕНИЕ ОДНОЙ ПРОГРАММЫ
EL	ΔΙΑΓΡΑΦΗ ΕΝΌΣ ΠΡΟΓΡΆΜΜΑΤΟΣ
AR	محو برنامج واحد