



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™ - Apple Store.

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)

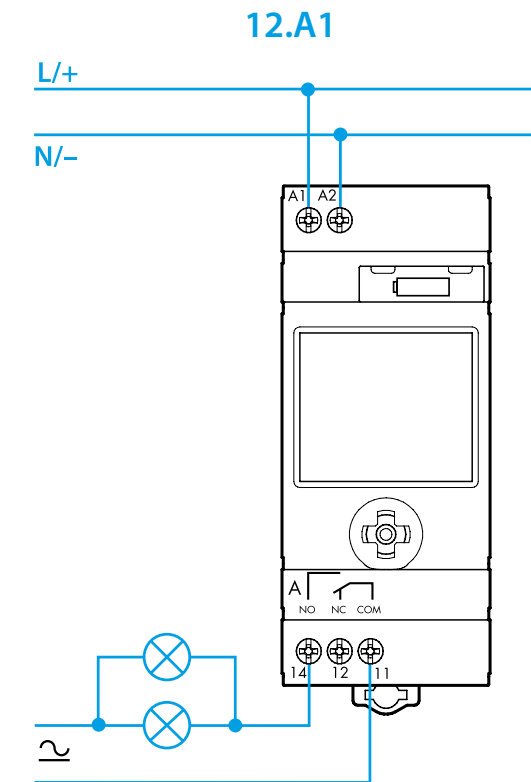
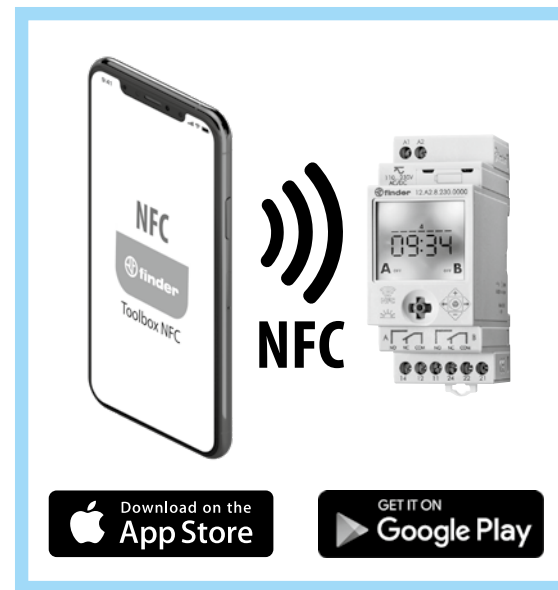
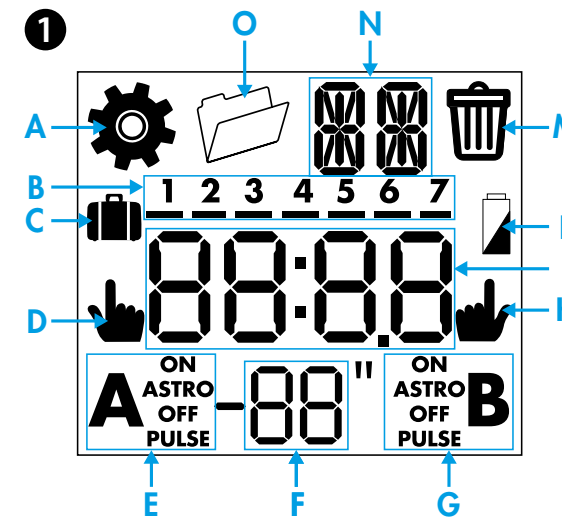
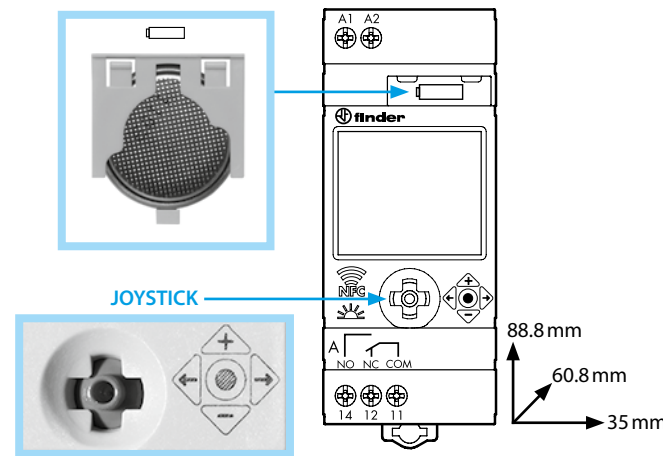
5 DELETION of all program

6 DELETION of single program

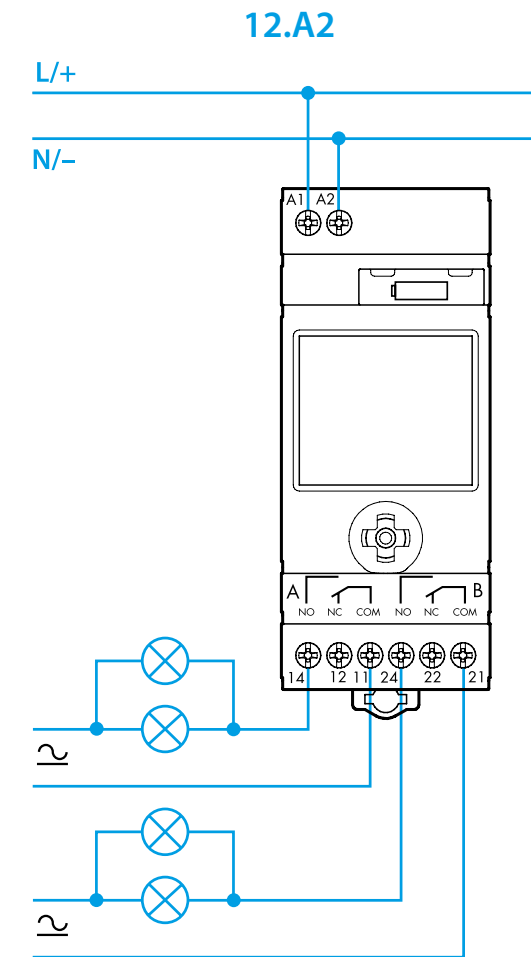
NOTE

- Battery replacement: BATTERY CR 2032 (LiMnO₂) 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

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 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	

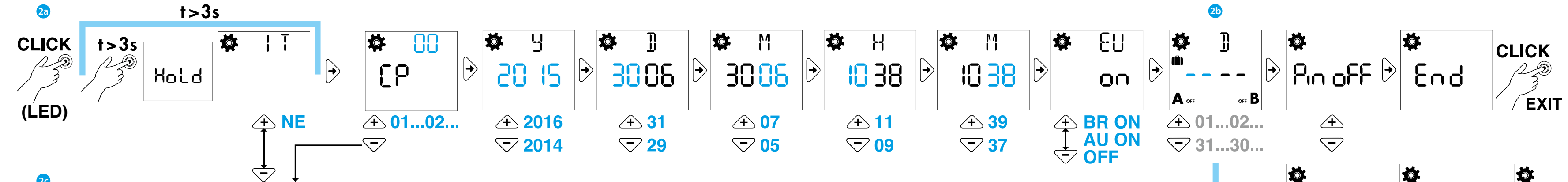


- Operating Control, Independently mounted
- Panel mounting, Type 1 Action
- Pollution Degree 2, Impulse Voltage 4000 V (800 V for 12...24 V models)
- Terminals nominal torque: 0.8 Nm
- The battery can be replaced only by the manufacturer or competent personnel
- The device can be installed and configured only by the installer or a qualified installer

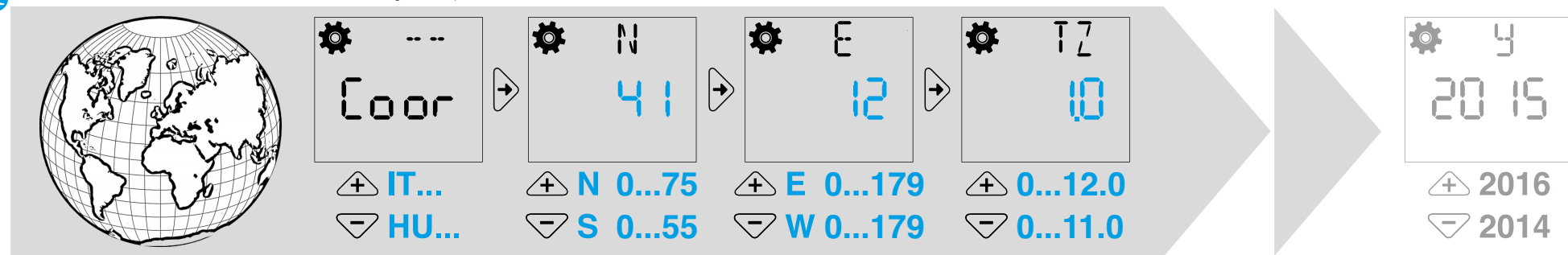


2

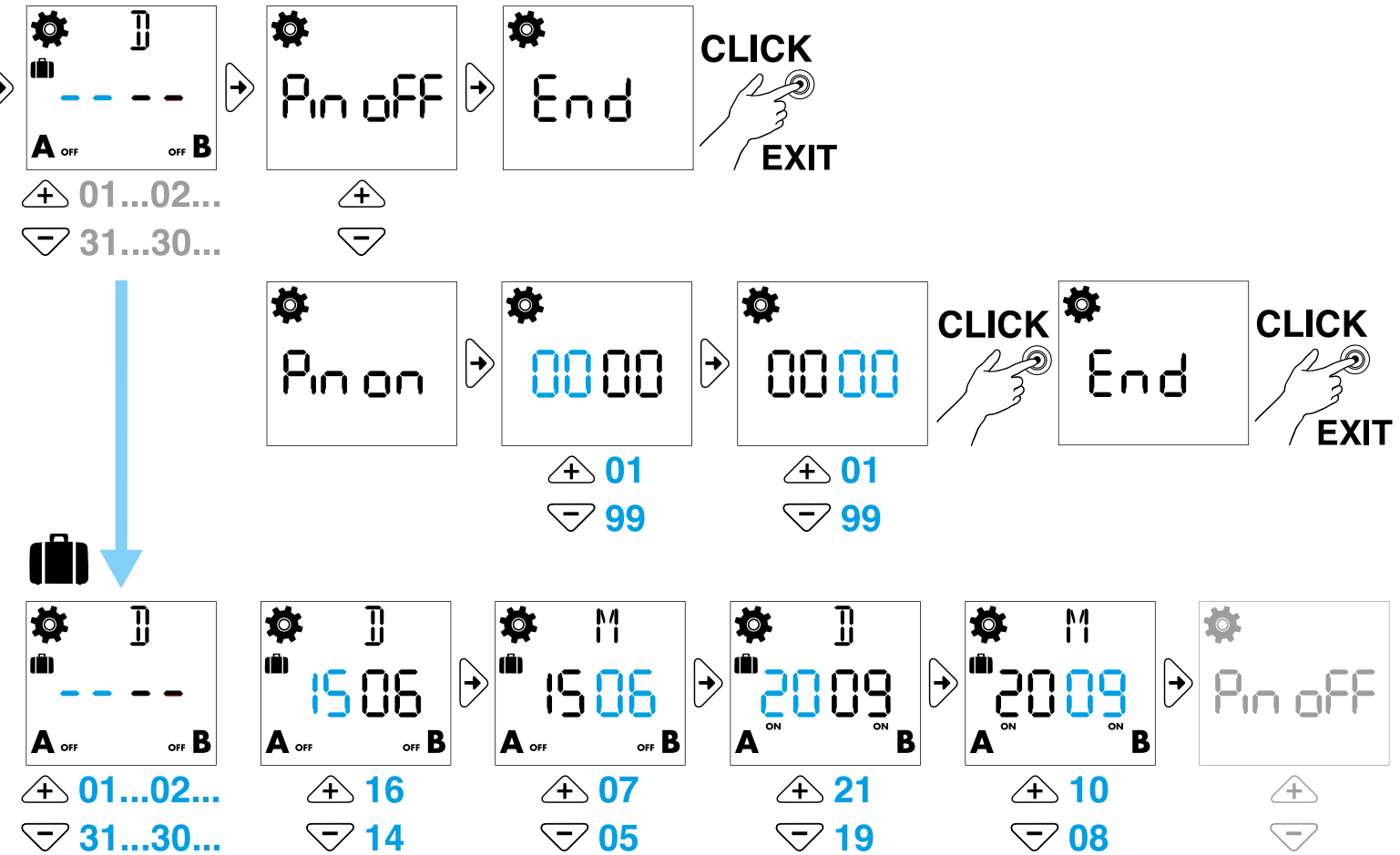
2a



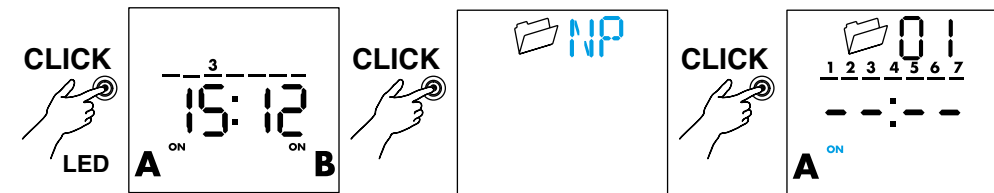
2c



2b

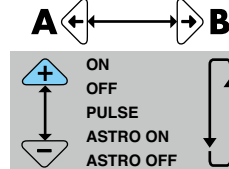


3

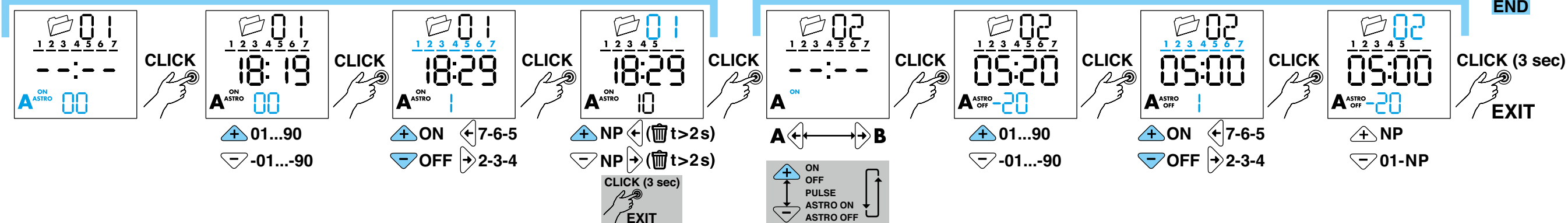


+ NP (XX)

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

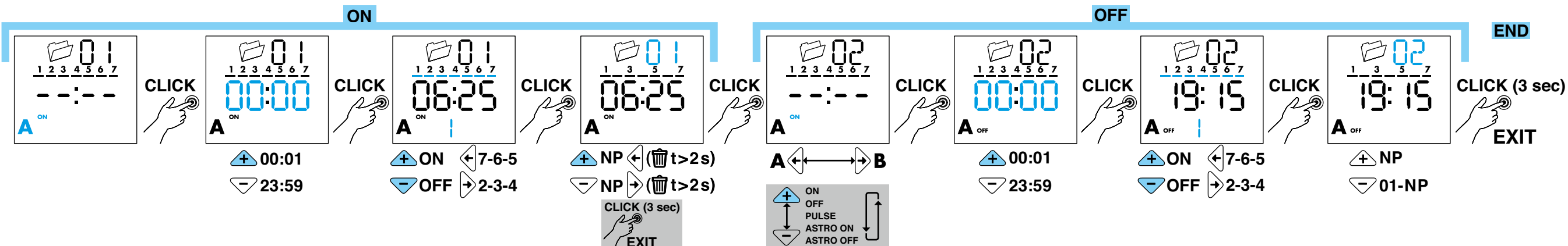


3a

ASTRO ON
ASTRO OFF

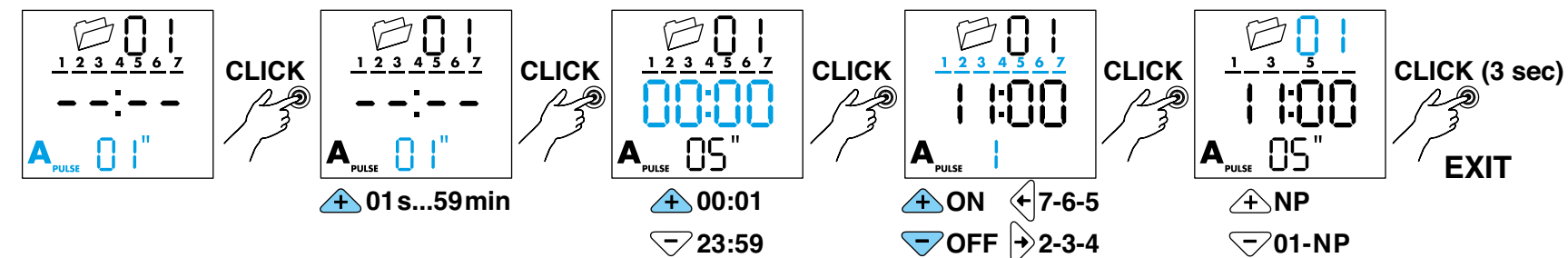
3b

ON-OFF



3c

PULSE

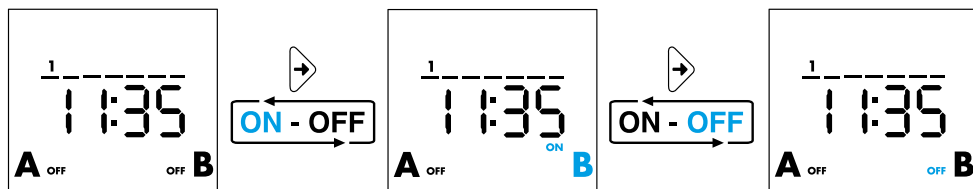


4

4a



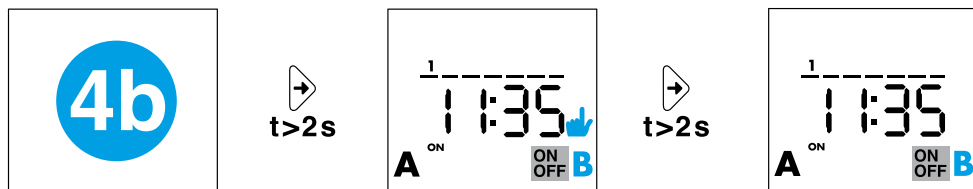
4b



4c



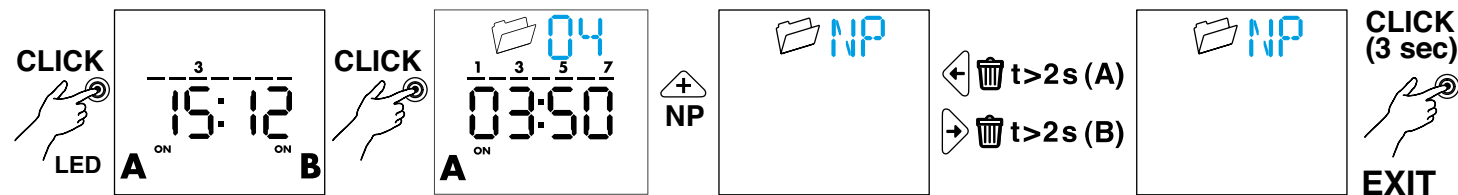
4d



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 ȘTERGE TOATE PROGRAMELE
 RU УДАЛЕНИЕ ВСЕХ ПРОГРАММ
 EL ΔΙΑΓΡΑΦΗ ΌΛΩΝ ΤΩΝ ΠΡΟΓΡΑΜΜΑΤΩΝ
 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 ȘTERGE UN SINGUR PROGRAM
 RU УДАЛЕНИЕ ОДНОЙ ПРОГРАММЫ
 EL ΔΙΑΓΡΑΦΗ ΕΝΟΣ ΠΡΟΓΡΑΜΜΑΤΟΣ
 AR محو برنامج واحد

