



finder 12.A1/A2 Digital Astro Time Switch Instruction Manual

[Home](#) » [finder](#) » finder 12.A1/A2 Digital Astro Time Switch Instruction Manual 



12.A1



12.A2



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 (postcode), 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 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.

7.

8. **DELETION of a 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

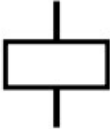
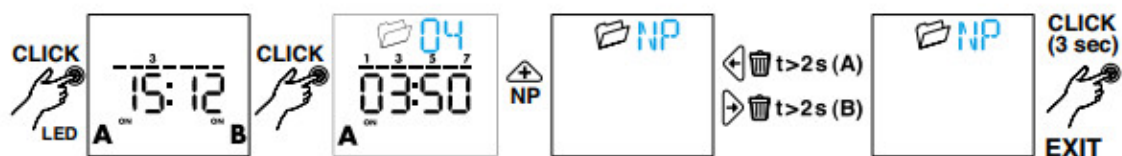
EN 60669-1/EN 60669-2-1	
	12.Ax.8.230.0000 UN 110...230 V AC (50/60 Hz)/DC Umin – Umax 90 V – 264 V (AC/DC) P 2.8 VA (50 Hz)/0.9 W
	12.A2.0.024.0000 UN 24 (12...24) V AC (50/60 Hz)/DC Umin – Umax 10 V – 30 V (AC/DC) P 2.2 VA/1.2 W
	1 CO (SPDT) (12.A1) 2 CO (DPDT) (12.A2) 16 A 250 V AC
	AC1 4000 VA AC15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

Figure 1 illustrates the state transitions for the two-bit lock. The diagrams show the sequence of states (A and B) and the corresponding digital display (11:35) as the lock is opened using the ON-OFF button. The diagrams are labeled 4a, 4b, 4c, and 4d, showing the progression from the initial state to the final state.

- 4a:** Initial state. Both A and B are OFF. The display shows 11:35.
- 4b:** State after pressing the ON-OFF button. A turns ON, B remains OFF. The display shows 11:35.
- 4c:** State after pressing the ON-OFF button again. A turns OFF, B turns ON. The display shows 11:35.
- 4d:** Final state. Both A and B are ON. The display shows 11:35.

5

DELETION OF ALL PROGRAM



6

DELETION OF SINGLE PROGRAM



Contents

- 1 Documents / Resources
- 2 Related Posts

Documents / Resources



[finder 12.A1/A2 Digital Astro Time Switch](#) [pdf] Instruction Manual

12.A1, 16A Time Astro-Switch, 12.A1 16A Time Astro-Switch, 12.A2, 12.A1 A2 Digital Astro Time Switch, Digital Astro Time Switch