

## EMOS P5521

# EMOS Digital Timer Socket Model P5521 Instruction Manual

## 1. INTRODUCTION

The EMOS Digital Timer Socket Model P5521 is designed to automatically switch electrical appliances ON and OFF at pre-set times. This device features 8 programmable settings per day, a battery backup to retain settings during power outages, and enhanced child protection. It is ideal for managing power consumption and automating household or office devices.



**Figure 1.1:** EMOS Digital Timer Socket in use with a water cooler, demonstrating a practical application for automated power control.

## 2. SAFETY INSTRUCTIONS

- Ensure the timer is correctly plugged into a suitable wall socket.
- Do not exceed the maximum load of 230V~/16A (3680W).
- This device is rated IP20, meaning it is protected against solid objects larger than 12.5mm but has no protection against water. Do not use in wet or damp conditions.
- Do not disassemble or attempt to repair the device. Refer all servicing to qualified personnel.
- Keep out of reach of children. The socket features enhanced child protection.
- Unplug the timer from the wall socket before cleaning. Clean only with a dry cloth.

## 3. PRODUCT OVERVIEW





Figure 3.1: Front view of the EMOS Digital Timer Socket, highlighting the display and control buttons.

EMOS

SU  
11 32  
AUTO

MASTERCLEAR

WEEK

HOUR

MINUTE

RES/RCL

CLOCK

TIMER

ON/AUTO/OFF RANDOM





Figure 3.2: Close-up of the timer's display and control panel, showing button labels and screen indicators.

### 3.1. Buttons and Display

- **WEEK:** Sets the day of the week.
- **HOUR:** Sets the hour.
- **MINUTE:** Sets the minute.
- **RES/RCL (Reset/Recall):** Resets the device or recalls programmed settings.
- **CLOCK:** Used to set the current time and day, and to exit programming mode.
- **TIMER:** Enters and exits timer programming mode.
- **ON/AUTO/OFF:** Cycles through Manual ON, Automatic, and Manual OFF modes.
- **RANDOM:** Activates or deactivates the random switching function.

The LCD display shows the current time, day of the week, and operational mode (MANUAL ON, AUTO, MANUAL OFF, RANDOM).

## 4. SETUP

### 4.1. Initial Use and Reset

Before first use, plug the timer into a wall socket for approximately 10-15 minutes to charge the internal battery backup. This ensures that settings are retained even if the timer is unplugged. After charging, press the **RES/RCL** button with a pointed object (e.g., a pen tip) to clear all previous settings and reset the device.

### 4.2. Setting Current Time and Day

1. Press and hold the **CLOCK** button.
2. While holding **CLOCK**, press the **WEEK** button repeatedly until the correct day of the week is displayed.
3. While holding **CLOCK**, press the **HOUR** button repeatedly until the correct hour is displayed.
4. While holding **CLOCK**, press the **MINUTE** button repeatedly until the correct minute is displayed.
5. Release the **CLOCK** button. The current time and day are now set.

## 5. OPERATING

### 5.1. Programming ON/OFF Times

The timer allows for up to 8 ON/OFF programs. Each program can be set for specific days or groups of days.

1. Press the **TIMER** button once. The display will show '1 ON'.

2. Press the **WEEK** button to select the desired day(s) for this program. Options include individual days, weekdays, weekends, or all days.
3. Press the **HOURL** button to set the desired ON hour.
4. Press the **MINUTE** button to set the desired ON minute.
5. Press the **TIMER** button again. The display will show '1 OFF'.
6. Repeat steps 2-4 to set the desired OFF time for program 1.
7. Continue pressing **TIMER** to cycle through programs 2 ON, 2 OFF, up to 8 ON, 8 OFF, setting each as required.
8. After setting all desired programs, press the **CLOCK** button to exit programming mode and return to the current time display.

**Note:** If an ON time is set to occur before 0:00 and end after 0:00, it may require two separate programs (e.g., one ending at 23:59 and another starting at 0:00).

## 5.2. Manual ON/AUTO/OFF Mode

Press the **ON/AUTO/OFF** button to cycle through the operating modes:

- **MANUAL ON:** The connected appliance will remain ON continuously, overriding all programmed settings.
- **AUTO:** The timer will operate according to the programmed ON/OFF times. This is the standard operating mode for automated control.
- **MANUAL OFF:** The connected appliance will remain OFF continuously, overriding all programmed settings.

## 5.3. Random Function

The random function is designed to simulate occupancy by switching the connected appliance ON and OFF at irregular intervals within a specific time window (e.g., 6 PM to 6 AM). This can be useful for security purposes when you are away.

1. Ensure the timer is in **AUTO** mode.
2. Press the **RANDOM** button. The 'RANDOM' indicator will appear on the display.
3. To deactivate the random function, press the **RANDOM** button again. The 'RANDOM' indicator will disappear.

# 6. MAINTENANCE

---

## 6.1. Battery Backup

The EMOS Digital Timer Socket includes an integrated 40 mAh NiMH button cell battery (1.2V) for backup. This battery charges when the timer is plugged into a live socket and ensures that your programmed settings are retained during power outages or when the timer is unplugged. No user maintenance is required for the battery.

## 6.2. Cleaning

To clean the timer, unplug it from the wall socket. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners, abrasive materials, or immerse the device in water.

# 7. TROUBLESHOOTING

- **Display is blank or unresponsive:** Ensure the timer is plugged into a live socket. If it's a new unit or has been unplugged for a long time, allow it to charge for 10-15 minutes, then perform a reset using the **RES/RCL** button.
- **Appliance does not switch ON/OFF as programmed:**
  - Check if the timer is in **AUTO** mode. If it's in MANUAL ON or MANUAL OFF, it will override programs.
  - Verify that the programmed ON/OFF times and days are correct.
  - Ensure the connected appliance is working correctly and is switched ON.
  - Confirm the load does not exceed the maximum rating (3680W).
- **Programming seems complicated:** Refer to Section 5.1. Programming ON/OFF Times. It may take a few attempts to become familiar with the sequence. Some complex schedules (e.g., spanning midnight) may require splitting into two programs.
- **Timer resets unexpectedly:** Ensure the internal battery is sufficiently charged. If the issue persists, the internal battery may be faulty, and the device might require replacement.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	P5521
Voltage	230 V~
Max. Current	16 A
Max. Power	3680 W
IP Rating	IP20
Programs	8 ON/OFF programs per day
Battery Backup	40 mAh NiMH (1.2 V)
Material	Polycarbonate
Dimensions (H x W x D)	21 x 9 x 9 cm
Weight	180 g




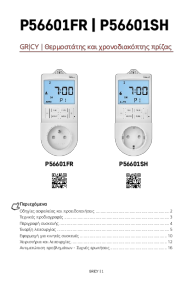

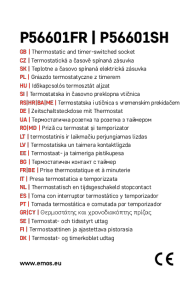

Figure 8.1: Physical dimensions of the EMOS Digital Timer Socket.

## 9. WARRANTY AND SUPPORT

EMOS products are manufactured to high-quality standards. For warranty information, please refer to the terms and conditions provided at the point of purchase or contact EMOS customer support directly. Keep your proof of purchase for any warranty claims.

For further assistance or technical support, please visit the official EMOS website or contact their customer service department.

## Related Documents - P5521

	<p><a href="#">EMOS P5502   TS-MF3 Mechanical Timer Socket - User Manual</a></p> <p>User manual for the EMOS P5502   TS-MF3 mechanical timer socket. Provides instructions on setting time, programming schedules, technical specifications, and safety guidelines for this 230V~, 16A plug-in timer.</p>
	<p><a href="#">EMOS P56601FR/SH Smart Wi-Fi Thermo &amp; Timer Socket User Manual</a></p> <p>Comprehensive user guide for the EMOS P56601FR/SH Smart Wi-Fi Thermo &amp; Timer Socket, covering setup, technical specifications, device operation, timer programming, app control via EMOS GoSmart, and troubleshooting.</p>
	<p><a href="#">EMOS P56601FR   P56601SH: Digitálna programovateľná zásuvka s termostatom a časovačom</a></p> <p>Podrobný návod na použitie digitálnej elektrickej zásuvky EMOS P56601FR a P56601SH. Zistíte, ako používať funkcie termostatu, časovača a mobilnej aplikácie na ovládanie vykurovania a spotrebičov.</p>
	<p><a href="#">EMOS P56601FR / P56601SH Thermostatic and Timer Socket User Manual</a></p> <p>User manual for EMOS P56601FR and P56601SH thermostatic and timer-switched sockets. Learn about setup, operation modes, mobile app control, and troubleshooting for efficient home climate and appliance management.</p>
	<p><a href="#">EMOS P56601FR   P56601SH: Digitālās termostatiskās un taimera kontaktligzdas lietotāja rokasgrāmata</a></p> <p>Detalizēta rokasgrāmata EMOS P56601FR un P56601SH digitālajām kontaktligzdām. Uzziniet par termostata un taimera funkcijām, uzstādīšanu, lietotnes vadību un drošības norādījumiem, lai optimizētu enerģijas patēriņu un ērtumu.</p>

## P56601FR | P56601SH

80 | Термостатный socket с таймером



Содержание	1
1. Технические характеристики	2
2. Установка	3
3. Эксплуатация	4
4. Техническое обслуживание	5
5. Гарантия	6
6. Контактная информация	7
7. Приложение	8
8. Приложение	9
9. Приложение	10
10. Приложение	11
11. Приложение	12
12. Приложение	13
13. Приложение	14
14. Приложение	15
15. Приложение	16
16. Приложение	17
17. Приложение	18
18. Приложение	19
19. Приложение	20
20. Приложение	21
21. Приложение	22
22. Приложение	23
23. Приложение	24
24. Приложение	25
25. Приложение	26
26. Приложение	27
27. Приложение	28
28. Приложение	29
29. Приложение	30
30. Приложение	31
31. Приложение	32
32. Приложение	33
33. Приложение	34
34. Приложение	35
35. Приложение	36
36. Приложение	37
37. Приложение	38
38. Приложение	39
39. Приложение	40
40. Приложение	41
41. Приложение	42
42. Приложение	43
43. Приложение	44
44. Приложение	45
45. Приложение	46
46. Приложение	47
47. Приложение	48
48. Приложение	49
49. Приложение	50
50. Приложение	51
51. Приложение	52
52. Приложение	53
53. Приложение	54
54. Приложение	55
55. Приложение	56
56. Приложение	57
57. Приложение	58
58. Приложение	59
59. Приложение	60
60. Приложение	61
61. Приложение	62
62. Приложение	63
63. Приложение	64
64. Приложение	65
65. Приложение	66
66. Приложение	67
67. Приложение	68
68. Приложение	69
69. Приложение	70
70. Приложение	71
71. Приложение	72
72. Приложение	73
73. Приложение	74
74. Приложение	75
75. Приложение	76
76. Приложение	77
77. Приложение	78
78. Приложение	79
79. Приложение	80
80. Приложение	81
81. Приложение	82
82. Приложение	83
83. Приложение	84
84. Приложение	85
85. Приложение	86
86. Приложение	87
87. Приложение	88
88. Приложение	89
89. Приложение	90
90. Приложение	91
91. Приложение	92
92. Приложение	93
93. Приложение	94
94. Приложение	95
95. Приложение	96
96. Приложение	97
97. Приложение	98
98. Приложение	99
99. Приложение	100

80 |

## [P56601FR | P56601SH Digital Timer and Thermostat Socket User Manual](#)

Detailed user manual for EMOS P56601FR and P56601SH digital timer and thermostat sockets. Learn about installation, operation, thermostat mode, timer mode, mobile app control, and technical specifications.