

Zamel SDM-10/U

Zamel EXT10000119 SDM-10/U Building Automation Device User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Zamel EXT10000119 SDM-10/U Building Automation Device. This device is designed for controlling acoustic signals in various environments, such as schools and industrial facilities, allowing for precise scheduling and management of sound alerts.

Please read this manual thoroughly before attempting to install or operate the device to ensure safe and correct usage.

2. SAFETY INFORMATION

- Installation and maintenance should only be performed by qualified personnel.
- Always disconnect power to the device and associated circuits before performing any installation, wiring, or maintenance.
- Ensure all wiring complies with local and national electrical codes.
- Do not expose the device to moisture, extreme temperatures, or corrosive environments.
- The device is designed for indoor use only.

3. PRODUCT OVERVIEW

The Zamel SDM-10/U is a versatile building automation device primarily used for controlling acoustic signals. It features a clear display and intuitive buttons for programming schedules. Key functionalities include:

- Adjustable duration for classes, break lengths, and first-hour timing.
- Alarm control input for remote acoustic signaling.
- BANK2 control input for activating a second group of programmed hours (e.g., shortened schedules).
- Two independent output relays for controlling external devices.



Figure 1: Front view of the Zamel SDM-10/U device. This image shows the device's front panel, featuring a digital display, a clock button, left/right arrow buttons, and an OK button for navigation and programming. Terminal labels A1, A2, IN1, IN2, 11, 12, 14, 21, 22, 24 are visible at the top and bottom.

4. INSTALLATION AND WIRING

4.1 Mounting

The SDM-10/U device is designed for DIN rail mounting. Securely attach the device to a standard 35mm DIN rail within an electrical enclosure.

4.2 Wiring Connections

Refer to the wiring diagram on the side of the device and Figure 2 for proper electrical connections. Ensure all connections are tight and secure.

- **A1, A2:** Power supply terminals (24-250VAC or 30-300VDC).
- **IN1:** Alarm control input.
- **IN2:** BANK2 control input.
- **11, 12, 14:** Relay 1 output terminals (11-common, 12-normally closed, 14-normally open).
- **21, 22, 24:** Relay 2 output terminals (21-common, 22-normally closed, 24-normally open).



Figure 2: Side view of the Zamel SDM-10/U device. This image displays the side of the device, which includes a detailed wiring diagram indicating connections for power (L, N), inputs (IN1, IN2), and relay outputs (11, 12, 14, 21, 22, 24). Technical specifications such as voltage ratings and IP protection are also visible.

5. OPERATING INSTRUCTIONS

5.1 Basic Navigation

Use the buttons below the display for navigation and programming:

- **Clock Button:** Enters/exits time setting mode and menu.
- **Arrow Buttons (<, >):** Navigate through menu options and adjust values.
- **OK Button:** Confirms selections and saves settings.

5.2 Setting Time and Date

1. Press the Clock button to enter the main menu.
2. Navigate to 'Time/Date' using the arrow buttons and press OK.
3. Adjust the year, month, day, hour, and minute using the arrow buttons, confirming each with OK.

5.3 Programming Acoustic Signal Schedules

The device allows for detailed scheduling of acoustic signals, such as school bells.

1. From the main menu, navigate to 'Program' and press OK.
2. Select 'New Program' or edit an existing one.
3. Set the start time and end time for the signal.
4. Define the duration of the signal (e.g., bell ring length).
5. Specify the days of the week for the program to be active.
6. Configure specific settings for class duration, break length, and first-hour timing as required.
7. Save the program using the OK button.

5.4 Alarm Control Input (IN1)

The IN1 terminal allows for remote activation of an acoustic signal. When a signal is applied to IN1, the device will trigger a pre-configured alarm sound, overriding the regular schedule if set to do so.

5.5 BANK2 Control Input (IN2)

The IN2 terminal enables switching to an alternative set of programmed schedules. This is useful for scenarios like shortened school days or special event schedules. Activate IN2 to switch to the BANK2 schedule group.

6. MAINTENANCE

The Zamel SDM-10/U device requires minimal maintenance. Keep the device clean and free from dust. Use a dry, soft cloth for cleaning. Do not use abrasive cleaners or solvents. There are no user-serviceable parts inside the unit.

7. TROUBLESHOOTING

- **Device not powering on:** Check power supply connections (A1, A2) and ensure the voltage is within the specified range. Verify circuit breaker status.
- **Acoustic signals not activating:** Review programmed schedules for correct times and days. Check relay output wiring (11, 12, 14, 21, 22, 24) and the connected acoustic device.
- **Incorrect timing:** Verify the device's internal clock is set correctly.

- **Alarm/BANK2 input not working:** Check the wiring to IN1/IN2 and ensure the external control signal is functioning correctly.

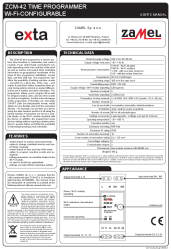
8. TECHNICAL SPECIFICATIONS

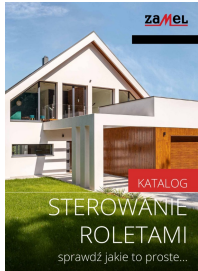
Specification	Value
Manufacturer	Zamel Sp. Z o.o.
Part Number	EXT10000119
Model Number	SDM-10/U
Material	Plastic
Power Supply	24-250VAC, 30-300VDC
Relay Output Current	16A / 250VAC
Dimensions (L x W x H)	9 x 3.5 x 6.6 cm
Weight	150 g
IP Rating	IP20

9. WARRANTY AND SUPPORT

The Zamel EXT10000119 SDM-10/U device is covered by the manufacturer's standard warranty. For warranty claims, technical support, or service inquiries, please contact your local distributor or visit the official Zamel website. Keep your purchase receipt as proof of purchase.

Related Documents - SDM-10/U

	ZAMEL ZCM-42 Time Programmer User Manual - Wi-Fi Configurable Comprehensive user manual for the ZAMEL ZCM-42 Time Programmer, detailing its Wi-Fi configuration, scheduling features, technical specifications, wiring, and operation for automation and control systems.
	MATEC RTP-04 Programmable Thermostat for Electric Floor Heating - User Manual Comprehensive user manual for the MATEC RTP-04 temperature regulator, detailing installation, operation, programming, and technical specifications for electric underfloor heating systems by ZAMEL.

	Zamel Supla SBW-02 2-Channel Wi-Fi Gate Controller User Manual Comprehensive user manual for the Zamel Supla SBW-02, a 2-channel Wi-Fi gate controller. This guide covers product description, features, warnings, technical specifications, step-by-step installation and setup using the Supla app, device reset, warranty information, and additional resources.
	MATEC Electric Heating Mats Installation Guide and Warranty Comprehensive installation instructions and warranty details for MATEC electric heating mats (MOJ and MOD series) by ZAMEL, covering setup, temperature controller selection, and technical specifications for floor heating systems.
	Katalog Sterowanie Roletami Zamel EXTA Systemy Automatyki Budynkowej Kompleksowy katalog systemów sterowania roletami Zamel EXTA, EXTA FREE, EXTA LIFE oraz SUPLA. Odkryj przewodowe i bezprzewodowe rozwiązania dla inteligentnego domu, w tym sterowniki dopuszczkowe, modułowe, radiowe i Wi-Fi.
	Zamel Systems of Heating Control: Smart Home Solutions Explore Zamel's comprehensive range of heating control systems, including wireless, Wi-Fi, and wired solutions for smart home automation. Discover thermostats, controllers, sensors, and more for efficient and comfortable living.

Documents - Zamel – SDM-10/U

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DESCRIPTION LESSON BREAK AND BELL RINGING DURATION SETTING description main menu time setting and winter summer toggling date operating mode change automatic manual off lesson break bell ringing duration ew 01 manual2 zamel en exta it sdm 10u IN1000554 SDM 10 U instr GB instrukcja CONTROLLER CAMPANE SCOLASTICHE 24 250V AC 30 300V DC WYROB SCHOOL TYPE 230V EW |||

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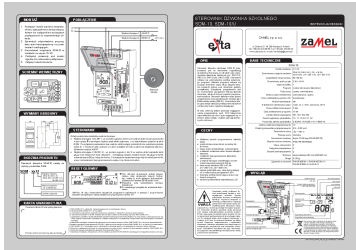
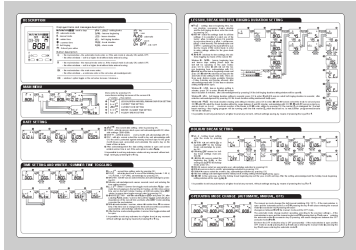
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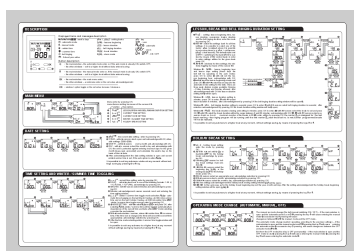
SDM-10, **SDM-10/U** Zakład Mechaniki i Elektroniki ZAMEL sp.j. J.W. Dzida, K.

Lodziska ul. Zielona 27, 43-200 Pszczyna, Poland Tel. 48 32 210 46 65, Fax 48 32

210 80 04 www.zamelcet.com, e-mail: marketing zamel.pl SDM-10 , , DNT212, DNS-

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ZAMEL Digital Timers TME Electronic components sdm10en tme Document

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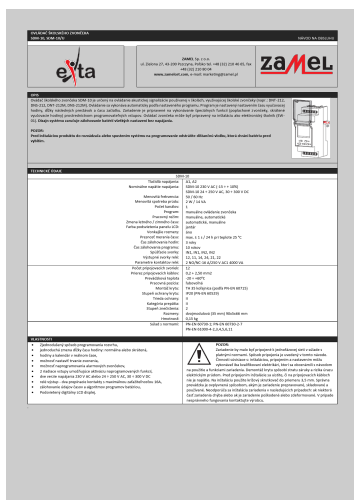
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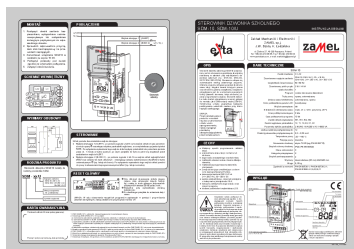
OVLDAC SKOLSKHO ZVONCEKA SDM-10, **SDM-10/U** NVOD NA OBSLUHU

ZAMEL Sp. z o.o. ul. Zielona 27, 43-200 Pszczyna, Posko tel. 48 32 210 46 65, fax 48

32 210 80 04 www.zamelcet.com, e-mail: marketing zamel.pl OPIS Ovdac skolskho

zvonceka SDM-10 je urcen na ovladanie akustickej signalizcie pouzavanej ...

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INSTRUKCJA OBSŁUGI sdm 10 Sterownik dzwonka szkolnego SDM U 24 250V AC 30 300V DC

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Katalog herunterladen Polski producent sprzętu elektrotechnicznego ZAMEL Sp z o katalog de zamel user |||

Bittorf GmbH Industriestrae 19 97638 Mellrichstadt Tel. 49 0 9776 7057 0 Fax. 49 0 9776 7057 70 ... a expo 106 HEIMAUTOMATISIERUNG - Schulglocken-Controller Die Schulglocken-Controller SDM-10 und **SDM-10/U** sind fr die Steuerung von akustischen Signalen in Schulen und Industriegebuden z. B. Schul...

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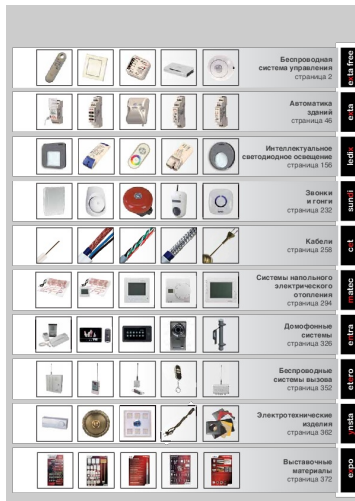


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