SNS™ Personal Series Clocks User Guide

Primex Wireless

Notices

Trademarks

Clock Lock is a registered trademark of Primex Wireless, Inc.

SNS and AMP are trademarks of Primex Wireless, Inc.

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Introduction

Primex Wireless's Synchronous Network System (SNS™) Personal Series Clocks are equipped with both a wireless 802.11 b/g interface and a wired Ethernet port interface. They're also easy to install – simply connect the power source and the clock is instantly synchronized to the Primex Wireless system.

Primex Wireless Personal Series Clocks can be installed anywhere indoors within range of an 802.11 b/g access point. The clocks are able to connect in an existing wireless LAN (WLAN), supporting a wide variety of security protocols.

Primex Wireless's Synchronous Network System (SNS™) analog clocks are equipped with both a wireless 802.11 b/g interface and a wired Ethernet port interface. They're also easy to install – simply install batteries, set network settings with the **Browser-based Configuration Tool** and the clock synchronizes to the Primex Wireless system.

For detailed instructions on the use of the browser-based configuration tool, please see the Primex Wireless **Applications Management Platform (AMP™) User Guide**. Once the clocks are configured, settings can be altered using Primex's **Applications Management Platform (AMP™)**. AMP has features to determine the signal strength of the Personal Series Clock's reception.

The Personal Series Clocks connect to the WLAN once a day. Any changes in configuration of Personal Series Clock via AMP will be transmitted to the clock the next time it connects to the WLAN. For detailed instructions on the use of AMP, please see the Primex Wireless **Applications Management Platform (AMP™) User Guide**.

This user guide describes the features and installation of Primex Wireless SNS Personal Series Clocks.

Precautions and regulatory compliance statements

This section contains mandatory precautions and regulatory compliance statements.

Safety precautions

SNS Personal Series Clocks are designed for indoor use only and are not weather protected. Operating the clock outdoors, or in wet areas is an electrical hazard and may damage the clock while nullifying the warranty.

Equipment precautions

- To avoid possible electric shock and damage to an SNS Personal Series Clock, make sure that the batteries are removed when working on it.
- For healthcare facilities, clocks are not intended for patient use and must not be installed within 6ft (2m) of patient contact.
- SNS Personal Series Clocks can be cleaned with a cloth moistened with water or a common disinfectant.

Caution Be sure to test any cleaning solutions on a small area of the clock before using it on the entire clock.

FCC compliance

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC radio frequency interference

This equipment has been tested and found to comply with the limits for a Class B analog device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC radiation exposure limits

To comply with FCC RF exposure requirements in section 1.1307, a minimum separation distance of 20 cm is required between the antenna and all persons.

Europe – EU Declaration of Conformity and Restrictions

Hereby, Primex Wireless Inc. declares that this equipment:

The Primex Wireless SNS4Z200 Synchronous Network System "Personal Series Clock" complies with the essential requirements and other relevant provisions of Directive 1999/5/EC.

This equipment is marked with CE ① and can be used throughout the European community.

This indicated compliance with the R&TTE Directive 1999/5/EC and meets the relevant parts of following technical specifications:

- EN 300 328 – Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission Systems; Data transmission equipment operating in the 2,4GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE directive.
- EN 301 489-17 – Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 17 Specific Conditions for Wideband Data and HIPERLAN Equipment.
- EN 60950 – Low Voltage Directive (Safety)
- EN 50385 – Product standard to demonstrate the compliances of radio base stations and fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields.

Marking by the symbol ① indicates that usage restrictions apply.

- Indoor use : maximum power (EIRP*) of 100 mW for the entire
- 2400-2483.5 MHz frequency band

. Outdoor use: maximum power (EIRP*) of 100 mW for the 2400-2454 MHz band and with maximum power (EIRP*) of 10 mW for the 2454-2483 MHz band

Caution: Exposure to Radio Frequency Radiation To comply with RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all person.

The technical documentation relevant to the above equipment will be held at:

Primex Wireless
965 Wells Street
Lake Geneva, WI 53147
Phone: 1-800-404-8112

Company Representative: Darrel Thompson, Director of Operations

Signed:	 Company Representative: Darrel Thompson, Director of Operations

SNS Personal Series Clock Model

Primex Wireless SNS Personal Series Clocks come in only one model.

SNS Personal Series Clocks feature:

- The battery life of an SNS Personal Series Clock is up to 18 months with four Alkaline “C” cell batteries.
- Operating range: 32°F to 95°F (0°C to 35°C)
- Selectable backlight feature that automatically turns on in low ambient-light conditions.
- Selectable display option for date format, “day of the week”, and 12/24 display.

Install batteries in an SNS Personal Series Clock

Note The battery life of SNS Personal Series Clocks is up to18 months with four high-quality alkaline C-cell batteries. Therefore, it is important that fresh, superior-quality batteries, with an expiration date that exceeds five years past the installation date, be used for the clock.

The SNS Personal Series Clock notifies the user when the batteries need to be changed by showing the “Low Battery” symbol on the clock display. Battery condition is also reported via AMP. The clock will retain its configuration after the batteries are replaced.

The following are recommendations for clock batteries:

- Use only new high-quality name brand alkaline batteries
- Batteries should be the same type and date code
- The use of heavy duty and zinc carbon batteries is not recommended, as they will not last as long as high-quality name brand alkaline batteries
- Do not use rechargeable NiCad batteries, as their output voltage is too low to assure proper operation
- Do not use standard lithium batteries

Factors affecting battery life:

- Low ambient light and frequent use of the backlight will adversely affect battery life.
- Use of the Low/High setting
- High will drain batteries, Low will preserve battery life.

Follow these steps to replace the batteries in an SNS Personal Series Clock:

1. Dismount the clock from the wall so that you can access the back of the clock.
2. Remove the battery cover.
3. Remove the old batteries, wait 10 seconds.
4. Insert four Alkaline “C-cell” batteries.
5. Replace the battery cover.
6. When the batteries are in place, the SNS Personal Series Clock will set to the correct time once it is received.

Wall-mount an SNS Personal Series Clock

The back of the SNS Personal Series Clock features a **Clock-Lock** hanger. The **Clock-Lock** feature prevents accidental removal if the clock is bumped and it may reduce theft by requiring a particular combination of moves to remove the clock. All SNS Personal Series Clocks come with one #6 x 1-1/4" mounting screw and wall anchor.

Note To bypass the **Clock-Lock** feature, use finishing nails with no heads angled at 45 degrees into the wall in place of headed screws or nails. The clock may then be mounted and removed like a standard clock.

This section presents instructions for installing various analog clock models. The section provides the following topics:

- Install a single-sided Personal Series Clock

SNS Personal Series Clock and AMP Software

SNS Personal Series clocks can be controlled by AMP software to:

1. Configure 12/24 hour format
2. Date format
3. Show day of the week (yes/no)

Refer to the current AMP User Guide: Application Management Platform (AMP™) version 2.4

Install an SNS Personal Series Clock

Follow these steps to install an SNS Personal Series Clock:

1. Drill holes for the screw anchor.
2. Use a screwdriver to insert and tighten the screw, leaving the top of the screw head 3/8" out from the wall.
3. Slide the clock down over the screw heads to latch it into place.

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