

SILENT KNIGHT PTC1620U

SILENT KNIGHT DSC PTC1620U AC Transformer User Manual

Model: PTC1620U

1. INTRODUCTION

The SILENT KNIGHT DSC PTC1620U is an AC plug-in transformer designed to provide consistent power to compatible DSC Impassa Alarm Systems. This unit ensures the alarm system receives necessary operating power and facilitates the charging of its backup battery.

It is specifically intended for Impassa systems with integrated alarm communications that do not include a transformer as part of their standard package.

2. SAFETY INFORMATION

- **CAUTION: Risk of Electric Shock.**
- This device is designed for **Dry Location Use Only**. Do not expose to moisture or liquids.
- Ensure the power outlet is easily accessible for disconnection if needed.
- Do not attempt to open or modify the transformer. There are no user-serviceable parts inside.
- Disconnect power before making any connections to the alarm system.

3. PACKAGE CONTENTS

- 1 x SILENT KNIGHT DSC PTC1620U AC Transformer

4. SETUP AND INSTALLATION

Follow these steps to properly install your DSC PTC1620U AC Transformer:

1. **Identify Connection Points:** Locate the power input terminals on your DSC Impassa Alarm System. These are typically labeled for AC power input.
2. **Prepare Wiring:** Ensure the alarm system is powered off and disconnected from any other power sources before making connections.
3. **Connect to Alarm System:** Connect the low-voltage wires from the transformer's terminal block to the corresponding AC input terminals on your DSC Impassa Alarm System. Ensure polarity is correct if specified by your alarm system's manual. The transformer features two screw terminals for connection.

4. **Plug into Outlet:** Insert the transformer's two-prong plug into a standard 120VAC wall outlet. Ensure the outlet is easily accessible and not controlled by a switch.
5. **Verify Power:** Once connected and plugged in, power on your alarm system and verify that it is receiving power and operating correctly.



Figure 1: The DSC PTC1620U AC Transformer, showing its two-prong plug for wall outlets and the low-voltage screw terminals for connection to the alarm system. The label indicates input 120VAC 60Hz 0.43A and output 16.5VAC 20VA, and UL listing for dry locations.

5. OPERATION

The DSC PTC1620U AC Transformer operates automatically once properly installed and connected to a live 120VAC outlet. It continuously supplies 16.5 Volts of AC power at 20 VA to the connected DSC Impassa Alarm System.

The transformer's primary function is to power the alarm system and maintain the charge of its backup battery, ensuring continuous operation even during power fluctuations or outages (when the backup battery is fully charged and functional).

6. MAINTENANCE

- **Cleaning:** Keep the transformer clean and free from dust. Use a dry cloth for cleaning. Do not use liquid cleaners.
- **Inspection:** Periodically inspect the transformer and its wiring for any signs of damage, such as frayed cables, cracks in the casing, or discoloration. If damage is observed, discontinue use and replace the unit.
- **Environment:** Ensure the transformer is always used in a dry indoor location, away from direct sunlight, heat sources, and moisture.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm system not receiving power.	No power from wall outlet. Transformer not fully plugged in. Loose or incorrect wiring to alarm system. Faulty transformer.	Test the wall outlet with another device. Ensure the transformer is securely plugged into the outlet. Verify all wiring connections are secure and correct according to the alarm system's manual. If all other steps fail, the transformer may be faulty and require replacement.
Transformer feels warm.	Normal operation.	A slight warmth during operation is normal. If the transformer becomes excessively hot to the touch or emits a burning smell, disconnect it immediately and replace it.




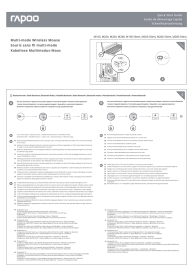
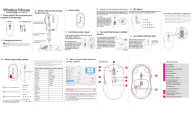
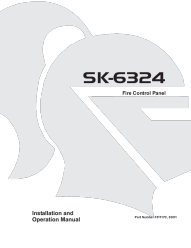
8. SPECIFICATIONS

Model Number	PTC1620U
Brand	SILENT KNIGHT
Input Voltage	120 VAC, 60 Hz, 0.43 A
Output Voltage	16.5 VAC, 20 VA
Dimensions (Approx.)	4 x 3 x 3 inches
Weight (Approx.)	1.04 Pounds
Compliance	UL Listed (Class 2 Transformer)
UPC	808236716098

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your DSC Impassa Alarm System or contact the manufacturer directly. Specific warranty terms may vary.

Related Documents - PTC1620U

 The cover of the Scheppach HDA-14 Heavy Duty Air Filter User Manual. It features the Scheppach logo at the top, a photograph of the air filter unit, and a table of contents below.	<p>Scheppach HDA-14 Heavy Duty Air Filter User Manual</p> <p>This user manual provides comprehensive instructions for the Scheppach HDA-14 Heavy Duty Air Filter, covering setup, operation, maintenance, and safety guidelines. Learn how to effectively use and care for your air filtration system.</p>
 The cover of the Corel Painter 2015 Installation Guide. It features the Corel logo and the text 'Painter® 2015 Installation Guide'.	<p>Corel Painter 2015 Installation Guide: Silent Installation and Customization</p> <p>Learn how to perform silent installations of Corel Painter 2015, customize installation paths, and manage serial numbers and logging options with this comprehensive installation guide.</p>
 The cover of the be quiet! Silent Base 802 User Manual. It features the be quiet! logo and a photograph of the Silent Base 802 PC case.	<p>be quiet! Silent Base 802 User Manual</p> <p>User manual for the be quiet! Silent Base 802 PC case, detailing its features, specifications, and installation guides.</p>
 The cover of the Rapoo Multi-mode Wireless Mouse Quick Start Guide. It features the Rapoo logo and a photograph of the wireless mouse.	<p>Rapoo Multi-mode Wireless Mouse Quick Start Guide</p> <p>A quick start guide for the Rapoo Multi-mode Wireless Mouse, covering setup, pairing, and operation across multiple devices via Bluetooth and 2.4 GHz.</p>
 The cover of the Wireless Mouse User Guide for the CITLLA L570. It features a photograph of the wireless mouse and various icons representing different operating systems and features.	<p>Wireless Mouse User Guide - CITLLA L570</p> <p>Comprehensive guide for the CITLLA L570 Wireless Bluetooth Mouse, covering setup, features, and troubleshooting for various operating systems including Windows and macOS.</p>
 The cover of the Silent Knight SK-6324 Fire Control Panel Installation and Operation Manual. It features the Silent Knight logo and the text 'SK-6324 Fire Control Panel Installation and Operation Manual'.	<p>Silent Knight SK-6324 Fire Control Panel Installation and Operation Manual</p> <p>This manual provides comprehensive installation and operation instructions for the Silent Knight SK-6324 Fire Control Panel. It covers system overview, agency requirements, hardware installation, system configuration, and operation, along with compatible devices and warranty information.</p>