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Gardena T200

GARDENA T200 Turbo Pop-Up Sprinkler System Pro (Model 8203-U)

Instruction Manual

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your GARDENA T200 Turbo Pop-Up Sprinkler. The T200 is designed for permanent underground installation as part of a sprinkler system, offering reliable and precise watering for areas up to 200 m².

2. Safety Information

WARNING: Read all safety warnings and instructions before using this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Keep away from children.
- Do not operate in wet conditions.
- Always turn off power at the source before servicing.
- Avoid contact with water and electricity.
- Ensure all connections are secure and watertight to prevent leaks and potential hazards.

3. Product Overview

The GARDENA T200 Turbo Pop-Up Sprinkler is a robust component of your underground irrigation system. It features a turbo-driven mechanism for consistent performance and a sand-protected gear for durability. The sprinkler pops up when in operation and retracts discreetly into the ground when not in use.





Figure 1: The GARDENA T200 Pop-Up Sprinkler actively watering a lawn.

Key features include:

- **Permanent Underground Installation:** Designed to be discreetly installed below ground level.
- **Adjustable Watering Range:** Covers areas from 16 to 26 feet.
- **Integrated Nozzles:** Equipped with 4 nozzles and a V-shaped deflector for precise water distribution.
- **Sand-Protected Gear:** Ensures reliable and long-lasting operation.



Figure 2: Detailed view of the T200 sprinkler head and adjustment points.





Figure 3: The T200 sprinkler integrated into a garden landscape.



Figure 4: Multiple T200 sprinklers providing comprehensive coverage.

▶ **Watch video online**
GARDENA 2701-U Connecting Pipe

Video 1: An overview of the Gardena System, highlighting product quality and innovation. This video demonstrates the robust design and testing processes behind Gardena products, including various watering tools and connectors.

4. Setup and Installation

The GARDENA T200 Pop-Up Sprinkler is designed for integration into a permanent underground irrigation system. Proper planning and installation are crucial for optimal performance.

4.1 Planning Your System

- Determine the area to be watered. The T200 covers 16 to 26 feet.

- Map out the placement of sprinklers to ensure overlapping coverage and avoid dry spots.
- Plan the layout of the pipe system, ensuring adequate water pressure and flow for all sprinklers.
- Consider using a GARDENA Watering Control unit for automated irrigation.

4.2 Installation Steps

1. **Dig Trenches:** Excavate trenches for the main supply lines and lateral lines according to your plan. Ensure trenches are deep enough to protect pipes and sprinklers from damage.
2. **Connect Pipes:** Assemble the pipe system using appropriate connectors and fittings. Ensure all connections are tight and leak-free.
3. **Install Sprinkler:** Connect the T200 Pop-Up Sprinkler to the lateral line. The top of the sprinkler head should be flush with the ground level when retracted.
4. **Adjust Arc and Range:** Before backfilling, temporarily turn on the water supply to adjust the watering arc and range of each sprinkler. The T200 allows for precise adjustment of the spray pattern.
5. **Backfill Trenches:** Once all adjustments are made and the system is confirmed to be leak-free, carefully backfill the trenches, ensuring the sprinklers remain at ground level.

5. Operating Instructions

The GARDENA T200 Pop-Up Sprinkler operates automatically once integrated into an irrigation system with a water control unit. Manual operation is also possible by turning on the water supply.

5.1 Adjusting Watering Settings

The T200 features adjustable settings for optimal watering:

- **Arc Adjustment:** The watering sector can be continuously adjusted from 25° to 360° using the adjustment ring on the top of the sprinkler head.
- **Range Adjustment:** The throw range can be adjusted between 16 and 26 feet (5 to 8 meters) by turning the range adjustment screw.
- **Nozzle Selection:** The 4 integrated nozzles with a V-shaped deflector are pre-set for efficient water distribution. Nozzle changes are typically not required for standard operation.

Always make adjustments with the water supply turned off to prevent accidental spraying and ensure precise setting.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your GARDENA T200 Pop-Up Sprinkler.

6.1 Cleaning

- Periodically check the sprinkler head for debris such as grass clippings, dirt, or sand.
- Gently wipe the pop-up stem and nozzle area with a damp cloth.
- If the nozzles are clogged, carefully remove any obstructions using a small, soft brush or a toothpick. Do not use metal objects that could damage the nozzles.

6.2 Winterization

Before the first frost, it is essential to properly winterize your irrigation system to prevent damage from freezing water.

- Drain all water from the irrigation system, including pipes and sprinklers. This can often be done by opening drain

valves or using an air compressor to blow out the lines.
- Ensure no water remains in the sprinkler body or nozzles.

7. Troubleshooting

If you encounter issues with your T200 Pop-Up Sprinkler, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Sprinkler does not pop up.	Low water pressure; debris obstructing the stem; damaged spring.	Check water pressure; clean around the sprinkler stem; inspect for damage (replacement may be necessary).
Uneven water distribution.	Clogged nozzle; incorrect arc/range setting; low water pressure.	Clean nozzles; adjust arc and range settings; check water pressure.
Water leaking from base.	Loose connection; damaged seal.	Tighten connections; inspect and replace seals if damaged.
Sprinkler does not retract fully.	Debris around the stem; damaged spring.	Clear debris from around the stem; inspect for damage (replacement may be necessary).

8. Specifications

- **Model:** T200 (8203-U)
- **Brand:** Gardena
- **Material:** Plastic
- **Style:** Turbo-driven Pop-up Sprinkler
- **Item Dimensions (L x W x H):** 2.76 x 2.76 x 8.27 inches
- **Item Weight:** 0.47 Kilograms
- **Maximum Flow Rate:** 580 Liters Per Hour
- **Watering Range:** 16 to 26 feet (5 to 8 meters)
- **UPC:** 725452457263

9. Warranty and Support

GARDENA products are known for their quality and reliability. For specific warranty details and terms, please refer to the documentation included with your purchase or visit the official Gardena website.
For technical support, spare parts, or further assistance, please contact Gardena customer service or visit the official Gardena Store on Amazon.

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