

Quarter-Turn Electric Actuators

SD-1001-ECO Series

The **SD-1001-ECO Series** from **SDTORK Controls Pvt. Ltd.** represents a compact, efficient, and reliable solution designed for **light-duty industrial and commercial automation applications**.

Built with a focus on **performance, durability, and cost-effectiveness**, these actuators are ideal for **valve and damper actuation** across a wide range of environments.

Engineered for **smooth operation and minimal maintenance**, the SD-1001-ECO Series ensures **long-term reliability**, making it a perfect choice where **compact design and dependable functionality** are essential.

Engineered for versatility, the SD-1001-ECO Series can be configured to suit multiple control requirements:

- **On/Off Duty Applications:** Available with a Local Control Station for convenient manual operation.
 - **Modulating Duty Applications:** Equipped with an integrated positioner card for precise proportional control and accurate valve positioning.
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Technical Overview

- **Type:** Weatherproof Quarter-Turn Electric Actuator
 - **Body Material:** Aluminium Alloy Die-Cast
 - **Torque Range:** From 30 Nm up to 1500 Nm
 - **Motor Type:** Reversible Induction Motor
 - **Duty Modes:** On-Off / Inching / Modulating
 - **Mounting Standard:** ISO 5211– Flange Sizes F05 / F07 / F10 (Depends upon Models)
 - **Hand Lever:** Detachable type for manual operation
 - **Degree of Protection:** IP55, IP65, IP66 & IP67 ratings available on request
 - **Supply Voltage:** Single Phase 230 VAC / 110 VAC $\pm 10\%$, 50Hz / 60 Hz $\pm 5\%$, 24 VDC (Alternate power supply available on request; consult SDTORK)
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Applications & Industries

Industrial Applications

- **Water & Wastewater:** Pipelines, pumping stations, and treatment plants
- **Food & Beverage Processing:** Hygienic and reliable flow control
- **HVAC Systems:** Dampers and airflow regulation in factories and process plants
- **Paper & Pulp Industry:** Process automation in manufacturing

Commercial & Public Buildings

- **Airports:** HVAC, dampers, and air circulation control
- **Shopping Malls:** Climate control, ventilation, and fire safety systems
- **Hotels & Resorts:** Efficient temperature regulation and air handling systems

Valve & Damper Types

- **Ball Valves:** Precise shut-off and flow control
 - **Butterfly Valves:** Efficient quarter-turn actuation
 - **Dampers:** Accurate airflow and process regulation
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Key Benefits

- Proven high-cycle performance for valves and dampers
 - Cost-effective without compromising quality
 - Easy installation, ideal for OEM and commercial applications
 - Long-term, trouble-free operation in industrial and commercial environments
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Why Choose SDTORK SD-1001-ECO

- **High Reliability:** Performs consistently in demanding industrial and commercial conditions
- **Cost-Effective:** Reduced downtime and maintenance costs

- **Trusted Brand:** Backed by SDTORK's expertise in intelligent electrical actuators
- **Global Presence:** Used across 15+ countries in industrial and commercial projects

Model :-

- 1) SD-1001-03-ECO
- 2) SD-1001-05-ECO
- 3) SD-1001-10-ECO
- 4) SD-1001-20-ECO
- 5) SD-1001-30-ECO
- 6) SD-1001-40-ECO
- 7) SD-1001-60-ECO
- 8) SD-1001-100-ECO
- 9) SD-1001-150-ECO
- 10) SD-1001-200-ECO

Single Phase Quarter-Turn Electrical Actuator – SD-1001-05-ECO

The SD-1001-05-ECO from SDTORK Controls Pvt. Ltd. is a compact, lightweight, and cost-effective quarter-turn actuator, designed for reliable on/off valve and damper control.

With high performance, durability, and minimal maintenance, the ECO series provides an economical solution without compromising on quality.

Specifically engineered for HVAC applications and light-duty automation, the SD-1001-05-ECO is easy to install, maintenance-free, and built to deliver years of trouble-free operation in demanding industrial environments.

SD-1001-05-ECO – Key Specifications

- **Industry Applications:** Water & Wastewater, Food & Beverage, HVAC, Power Generation, Paper Industries
- **Rated Torque:** 50 Nm
- **Operating Angle:** 90° (Quarter-Turn)
- **Operating Time:** 20 sec per 90° rotation
- **Protection Class:** IP65 / IP67 – Weatherproof & Dustproof
- **Duty Modes:** On-Off / Inching / Modulating

- **Motor Type:** Single Phase Induction Motor with Thermal Protection
 - **Mounting Standard:** ISO 5211 – Flange Sizes F03 / F05
 - **Weight:** 2.5 kg
 - **Ambient Temperature Range:** 0°C to 45°C
 - **Supply Voltage:** Single Phase 230 VAC $\pm 10\%$, 50 Hz $\pm 5\%$
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Optional Accessories (On Request)

- **Feedback Potentiometer:** High-resolution, continuous type (100–235 Ω) for precise position feedback
- **Position Controller Unit (PCU):** Field/panel mounted, input: 4–20 mA / 0–10 V DC for remote monitoring and control
- **Position Transmitter:** Actuator-mounted, outputs 4–20 mA proportional signal
- **Remote Position Indicator:** Panel-mounted digital indicator showing 0–100% valve/damper position
- **Space Heater:** Prevents condensation inside the actuator; connectable to 230 V AC/DC
- **Enclosure Protection Upgrade:** Optional IP65 / IP67 for extreme environments

✓ Applications & Industries

- **Water & Wastewater:** Pipelines, pumping stations, and treatment plants
- **Food & Beverage Processing:** Hygienic valve and damper automation
- **HVAC Systems:** Heating, ventilation, and air conditioning control
- **Power Generation:** Gas line valves, turbines, and renewable energy systems
- **Paper & Pulp Industry:** Process automation for demanding operations
- **Airports:** HVAC, dampers, and air circulation control
- **Shopping Malls:** Climate control, ventilation, and fire safety systems
- **Hotels & Resorts:** Efficient temperature regulation and air handling systems

- **Single Phase Quarter-Turn Electrical Actuator – SD-1001-10-ECO**

The **SD-1001-10-ECO** from **SDTORK Controls Pvt. Ltd.** is a **compact, robust, and cost-effective quarter-turn actuator**, designed for **reliable on/off valve and damper control** in industrial and commercial applications.

With **high torque, durability, and low maintenance**, the ECO series delivers an economical solution without compromising on performance or quality.

Ideal for **HVAC systems, process automation, and industrial operations**, the SD-1001-10-ECO is **easy to install, maintenance-free**, and engineered to provide **years of trouble-free operation** in demanding environments.

SD-1001-10-ECO – Key Specifications

- **Industry Applications:** Water & Wastewater, Food & Beverage, HVAC, Power Generation, Paper Industries
- **Rated Torque:** 100 Nm
- **Operating Angle:** 90° (Quarter-Turn)
- **Operating Time:** 30 sec per 90° rotation
- **Protection Class:** IP65 / IP67 – Weatherproof & Dustproof
- **Duty Modes:** On-Off / Inching / Modulating
- **Motor Type:** Single Phase Induction Motor with Thermal Protection
- **Mounting Standard:** ISO 5211 – Flange Sizes F03 / F07
- **Weight:** 4.5 kg
- **Ambient Temperature Range:** 0°C to 45°C
- **Supply Voltage:** Single Phase 230 VAC ±10%, 50 Hz ±5%

Optional Accessories (On Request)

- **Feedback Potentiometer:** High-resolution, continuous type (100–235 Ω) for precise position feedback
- **Position Controller Unit (PCU):** Field/panel mounted, input: 4–20 mA / 0–10 V DC for remote monitoring and control

- **Position Transmitter:** Actuator-mounted, outputs 4–20 mA proportional signal
 - **Remote Position Indicator:** Panel-mounted digital indicator showing 0–100% valve/damper position
 - **Space Heater:** Prevents condensation inside the actuator; connectable to 230 V AC/DC
 - **Enclosure Protection Upgrade:** Optional IP65 / IP67 for extreme environments
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✓ Applications & Industries

- **Water & Wastewater:** Pipelines, pumping stations, and treatment plants
- **Food & Beverage Processing:** Hygienic valve and damper automation
- **HVAC Systems:** Heating, ventilation, and air conditioning control
- **Power Generation:** Gas line valves, turbines, and renewable energy systems
- **Paper & Pulp Industry:** Process automation for demanding operations
- **Airports:** HVAC, dampers, and air circulation control
- **Shopping Malls:** Climate control, ventilation, and fire safety systems
- **Hotels & Resorts:** Efficient temperature regulation and air handling systems

Single Phase Quarter-Turn Electrical Actuator – SD-1001-20-ECO

The **SD-1001-20-ECO** from **SDTORK Controls Pvt. Ltd.** is a **robust, compact, and cost-effective quarter-turn actuator**, designed for **reliable on/off valve and damper control** in industrial and commercial applications.

With **high torque, durability, and minimal maintenance**, the ECO series delivers a **cost-effective solution** without compromising on performance or quality.

Ideal for **HVAC systems, process automation, and industrial operations**, the SD-1001-20-ECO is **easy to install, maintenance-free**, and engineered to provide **years of trouble-free operation** in demanding environments.

SD-1001-20-ECO – Key Specifications

- **Industry Applications:** Water & Wastewater, Food & Beverage, HVAC, Power Generation, Paper Industries
 - **Rated Torque:** 200 Nm
 - **Operating Angle:** 90° (Quarter-Turn)
 - **Operating Time:** 20 sec per 90° rotation
 - **Protection Class:** IP65 / IP67 – Weatherproof & Dustproof
 - **Duty Modes:** On-Off / Inching / Modulating
 - **Motor Type:** Single Phase Induction Motor with Thermal Protection
 - **Mounting Standard:** ISO 5211 – Flange Sizes F05 / F07
 - **Weight:** 4.5 kg
 - **Ambient Temperature Range:** 0°C to 45°C
 - **Supply Voltage:** Single Phase 230 VAC ±10%, 50 Hz ±5%
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Optional Accessories (On Request)

- **Feedback Potentiometer:** High-resolution, continuous type (100–235 Ω) for precise position feedback
 - **Position Controller Unit (PCU):** Field/panel mounted, input: 4–20 mA / 0–10 V DC for remote monitoring and control
 - **Position Transmitter:** Actuator-mounted, outputs 4–20 mA proportional signal
 - **Remote Position Indicator:** Panel-mounted digital indicator showing 0–100% valve/damper position
 - **Space Heater:** Prevents condensation inside the actuator; connectable to 230 V AC/DC
 - **Enclosure Protection Upgrade:** Optional IP65 / IP67 for extreme environments
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✔ Applications & Industries

- **Water & Wastewater:** Pipelines, pumping stations, and treatment plants
- **Food & Beverage Processing:** Hygienic valve and damper automation
- **HVAC Systems:** Heating, ventilation, and air conditioning control
- **Power Generation:** Gas line valves, turbines, and renewable energy systems
- **Paper & Pulp Industry:** Process automation for demanding operations
- **Airports:** HVAC, dampers, and air circulation control
- **Shopping Malls:** Climate control, ventilation, and fire safety systems
- **Hotels & Resorts:** Efficient temperature regulation and air handling systems

● **Single Phase Quarter-Turn Electrical Actuator – SD-1001-30-ECO**

The **SD-1001-30-ECO** from **SDTORK Controls Pvt. Ltd.** is a **high-performance, durable, and cost-effective quarter-turn actuator**, engineered for **precise and reliable on/off control of valves and dampers** in demanding industrial and commercial applications.

Built with **robust construction and high torque capacity**, this actuator ensures **long-lasting performance with minimal maintenance**, making it a **reliable and economical solution** for a wide range of automation needs.

Designed for **HVAC systems, process automation, and industrial operations**, the SD-1001-30-ECO offers **easy installation, maintenance-free operation, and consistent performance** even in challenging environments.

SD-1001-30-ECO – Key Specifications

- **Industry Applications:** Water & Wastewater, Food & Beverage, HVAC, Power Generation, Paper Industries
- **Rated Torque:** 300 Nm
- **Operating Angle:** 90° (Quarter-Turn)
- **Operating Time:** 45 sec per 90° rotation
- **Protection Class:** IP65 / IP67 – Weatherproof & Dustproof
- **Duty Modes:** On-Off / Inching / Modulating
- **Motor Type:** Single Phase Induction Motor with Thermal Protection
- **Mounting Standard:** ISO 5211 – Flange Sizes F07 / F10
- **Weight:** 10 kg
- **Ambient Temperature Range:** 0°C to 45°C
- **Supply Voltage:** Single Phase 230 VAC ±10%, 50 Hz ±5%

Optional Accessories (On Request)

- **Feedback Potentiometer:** High-resolution, continuous type (100–235 Ω) for precise position feedback
 - **Position Controller Unit (PCU):** Field/panel mounted, input: 4–20 mA / 0–10 V DC for remote monitoring and control
 - **Position Transmitter:** Actuator-mounted, outputs 4–20 mA proportional signal
 - **Remote Position Indicator:** Panel-mounted digital indicator showing 0–100% valve/damper position
 - **Space Heater:** Prevents condensation inside the actuator; connectable to 230 V AC/DC
 - **Enclosure Protection Upgrade:** Optional IP65 / IP67 for extreme environments
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✓ Applications & Industries

- **Water & Wastewater:** Pipelines, pumping stations, and treatment plants
- **Food & Beverage Processing:** Hygienic valve and damper automation
- **HVAC Systems:** Heating, ventilation, and air conditioning control
- **Power Generation:** Gas line valves, turbines, and renewable energy systems
- **Paper & Pulp Industry:** Process automation for demanding operations
- **Airports:** HVAC, dampers, and air circulation control
- **Shopping Malls:** Climate control, ventilation, and fire safety systems
- **Hotels & Resorts:** Efficient temperature regulation and air handling systems

Single Phase Quarter-Turn Electrical Actuator – SD-1001-40-ECO

The SD-1001-40-ECO from SDTORK Controls Pvt. Ltd. is a high-torque, durable, and cost-efficient quarter-turn actuator, designed for precise on/off control of valves and dampers in industrial, commercial, and process automation environments.

With robust construction, superior torque, and minimal maintenance requirements, the ECO series delivers an economical solution without compromising reliability or performance.

Engineered for HVAC systems, water treatment, process automation, and industrial operations, the SD-1001-40-ECO is easy to install, maintenance-free, and ensures consistent, long-term operation even in the most demanding conditions.

SD-1001-40-ECO – Key Specifications

- **Industry Applications:** Water & Wastewater, Food & Beverage, HVAC, Power Generation, Paper Industries
- **Rated Torque:** 400 Nm
- **Operating Angle:** 90° (Quarter-Turn)
- **Operating Time:** 45 sec per 90° rotation
- **Protection Class:** IP65 / IP67 – Weatherproof & Dustproof
- **Duty Modes:** On-Off / Inching / Modulating
- **Motor Type:** Single Phase Induction Motor with Thermal Protection
- **Mounting Standard:** ISO 5211 – Flange Sizes F07 / F10
- **Weight:** 10 kg
- **Ambient Temperature Range:** 0°C to 45°C
- **Supply Voltage:** Single Phase 230 VAC ±10%, 50 Hz ±5%

Optional Accessories (On Request)

- **Feedback Potentiometer:** High-resolution, continuous type (100–235 Ω) for precise position feedback
- **Position Controller Unit (PCU):** Field/panel mounted, input: 4–20 mA / 0–10 V DC for remote monitoring and control

- **Position Transmitter:** Actuator-mounted, outputs 4–20 mA proportional signal
 - **Remote Position Indicator:** Panel-mounted digital indicator showing 0–100% valve/damper position
 - **Space Heater:** Prevents condensation inside the actuator; connectable to 230 V AC/DC
 - **Enclosure Protection Upgrade:** Optional IP65 / IP67 for extreme environments
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✓ Applications & Industries

- **Water & Wastewater:** Pipelines, pumping stations, and treatment plants
- **Food & Beverage Processing:** Hygienic valve and damper automation
- **HVAC Systems:** Heating, ventilation, and air conditioning control
- **Power Generation:** Gas line valves, turbines, and renewable energy systems
- **Paper & Pulp Industry:** Process automation for demanding operations
- **Airports:** HVAC, dampers, and air circulation control
- **Shopping Malls:** Climate control, ventilation, and fire safety systems
- **Hotels & Resorts:** Efficient temperature regulation and air handling systems

Single Phase Quarter-Turn Electrical Actuator – SD-1001-60-ECO

The SD-1001-60-ECO from SDTORK Controls Pvt. Ltd. is a **high-torque, durable, and cost-efficient quarter-turn actuator**, designed for **precise on/off control of valves and dampers** in industrial, commercial, and process automation environments.

With **robust construction, superior torque, and minimal maintenance requirements**, the ECO series delivers an **economical solution without compromising reliability or performance**.

Engineered for **HVAC systems, water treatment, process automation, and industrial operations**, the SD-1001-60-ECO is **easy to install, maintenance-free**, and ensures **consistent, long-term operation** even in the most demanding conditions.

SD-1001-60-ECO – Key Specifications

- **Industry Applications:** Water & Wastewater, Food & Beverage, HVAC, Power Generation, Paper Industries
- **Rated Torque:** 600 Nm
- **Operating Angle:** 90° (Quarter-Turn)
- **Operating Time:** 45 sec per 90° rotation
- **Protection Class:** IP65 / IP67 – Weatherproof & Dustproof
- **Duty Modes:** On-Off / Inching / Modulating
- **Motor Type:** Single Phase Induction Motor with Thermal Protection
- **Mounting Standard:** ISO 5211 – Flange Sizes F07 / F10
- **Weight:** 10 kg
- **Ambient Temperature Range:** 0°C to 45°C
- **Supply Voltage:** Single Phase 230 VAC ±10%, 50 Hz ±5%

Optional Accessories (On Request)

- **Feedback Potentiometer:** High-resolution, continuous type (100–235 Ω) for precise position feedback
 - **Position Controller Unit (PCU):** Field/panel mounted, input: 4–20 mA / 0–10 V DC for remote monitoring and control
 - **Position Transmitter:** Actuator-mounted, outputs 4–20 mA proportional signal
 - **Remote Position Indicator:** Panel-mounted digital indicator showing 0–100% valve/damper position
 - **Space Heater:** Prevents condensation inside the actuator; connectable to 230 V AC/DC
 - **Enclosure Protection Upgrade:** Optional IP65 / IP67 for extreme environments
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✓ Applications & Industries

- **Water & Wastewater:** Pipelines, pumping stations, and treatment plants
- **Food & Beverage Processing:** Hygienic valve and damper automation
- **HVAC Systems:** Heating, ventilation, and air conditioning control
- **Power Generation:** Gas line valves, turbines, and renewable energy systems
- **Paper & Pulp Industry:** Process automation for demanding operations
- **Airports:** HVAC, dampers, and air circulation control
- **Shopping Malls:** Climate control, ventilation, and fire safety systems
- **Hotels & Resorts:** Efficient temperature regulation and air handling systems

Single Phase Quarter-Turn Electrical Actuator – SD-1001-100-ECO

The SD-1001-100-ECO from SDTORK Controls Pvt. Ltd. is a **high-torque, heavy-duty, and cost-effective quarter-turn actuator**, designed for **precise and reliable on/off control of large valves and dampers** in demanding industrial and commercial applications.

With **robust construction, superior torque capacity, and minimal maintenance requirements**, the ECO series provides a **reliable, economical solution** without compromising on **performance or durability**.

Engineered for **HVAC systems, water treatment, process automation, and industrial operations**, the SD-1001-100-ECO is **easy to install, maintenance-free**, and ensures **long-term, trouble-free operation** in challenging environments.

SD-1001-100-ECO – Key Specifications

- **Industry Applications:** Water & Wastewater, Food & Beverage, HVAC, Power Generation, Paper Industries
 - **Rated Torque:** 1000 Nm
 - **Operating Angle:** 90° (Quarter-Turn)
 - **Operating Time:** 60 sec per 90° rotation
 - **Protection Class:** IP65 / IP67 – Weatherproof & Dustproof
 - **Duty Modes:** On-Off / Inching / Modulating
 - **Motor Type:** Single Phase Induction Motor with Thermal Protection
 - **Mounting Standard:** ISO 5211 – Flange Sizes F10 / F12
 - **Weight:** 13 kg
 - **Ambient Temperature Range:** 0°C to 45°C
 - **Supply Voltage:** Single Phase 230 VAC ±10%, 50 Hz ±5%
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Optional Accessories (On Request)

- **Feedback Potentiometer:** High-resolution, continuous type (100–235 Ω) for precise position feedback
- **Position Controller Unit (PCU):** Field/panel mounted, input: 4–20 mA / 0–10 V DC for remote monitoring and control

- **Position Transmitter:** Actuator-mounted, outputs 4–20 mA proportional signal
 - **Remote Position Indicator:** Panel-mounted digital indicator showing 0–100% valve/damper position
 - **Space Heater:** Prevents condensation inside the actuator; connectable to 230 V AC/DC
 - **Enclosure Protection Upgrade:** Optional IP65 / IP67 for extreme environments
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✓ Applications & Industries

- **Water & Wastewater:** Pipelines, pumping stations, and treatment plants
- **Food & Beverage Processing:** Hygienic valve and damper automation
- **HVAC Systems:** Heating, ventilation, and air conditioning control
- **Power Generation:** Gas line valves, turbines, and renewable energy systems
- **Paper & Pulp Industry:** Process automation for demanding operations
- **Airports:** HVAC, dampers, and air circulation control
- **Shopping Malls:** Climate control, ventilation, and fire safety systems
- **Hotels & Resorts:** Efficient temperature regulation and air handling systems

Single Phase Quarter-Turn Electrical Actuator – SD-1001-150-ECO

The SD-1001-150-ECO from SDTORK Controls Pvt. Ltd. is a high-torque, heavy-duty quarter-turn actuator, designed for precise, reliable on/off control of large valves and dampers in industrial, commercial, and process automation applications.

Featuring robust construction, superior torque, and minimal maintenance requirements, the ECO series provides a cost-effective solution without compromising performance or operational reliability.

Ideal for HVAC systems, water treatment, process automation, and industrial operations, the SD-1001-150-ECO is easy to install, maintenance-free, and ensures long-term, trouble-free operation under challenging conditions.

SD-1001-150-ECO – Key Specifications

- **Industry Applications:** Water & Wastewater, Food & Beverage, HVAC, Power Generation, Paper Industries
 - **Rated Torque:** 1500 Nm
 - **Operating Angle:** 90° (Quarter-Turn)
 - **Operating Time:** 45 sec per 90° rotation
 - **Protection Class:** IP65 / IP67 – Weatherproof & Dustproof
 - **Duty Modes:** On-Off / Inching / Modulating
 - **Motor Type:** Single Phase Induction Motor with Thermal Protection
 - **Mounting Standard:** ISO 5211 – Flange Sizes F07 / F10
 - **Weight:** 10 kg
 - **Ambient Temperature Range:** 0°C to 45°C
 - **Supply Voltage:** Single Phase 230 VAC ±10%, 50 Hz ±5%
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Optional Accessories (On Request)

- **Feedback Potentiometer:** High-resolution, continuous type (100–235 Ω) for precise position feedback
- **Position Controller Unit (PCU):** Field/panel mounted, input: 4–20 mA / 0–10 V DC for remote monitoring and control

- **Position Transmitter:** Actuator-mounted, outputs 4–20 mA proportional signal
 - **Remote Position Indicator:** Panel-mounted digital indicator showing 0–100% valve/damper position
 - **Space Heater:** Prevents condensation inside the actuator; connectable to 230 V AC/DC
 - **Enclosure Protection Upgrade:** Optional IP65 / IP67 for extreme environments
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✓ Applications & Industries

- **Water & Wastewater:** Pipelines, pumping stations, and treatment facilities
- **Food & Beverage Processing:** Hygienic and reliable valve/damper automation
- **HVAC Systems:** Heating, ventilation, and air conditioning control for large facilities
- **Power Generation:** Gas line valves, turbines, and renewable energy systems
- **Paper & Pulp Industry:** High-demand process automation operations
- **Airports:** Air circulation, dampers, and climate control systems
- **Shopping Malls:** Efficient ventilation, fire safety, and climate management
- **Hotels & Resorts:** Optimal air handling, temperature control, and comfort regulation

Single Phase Quarter-Turn Electrical Actuator – SD-1001-200-ECO

The SD-1001-200-ECO from SDTORK Controls Pvt. Ltd. is a **high-torque, robust quarter-turn actuator**, engineered for **precise and dependable control of large valves and dampers** in industrial, commercial, and process automation environments.

Designed for **heavy-duty applications**, this actuator combines **exceptional torque, durable construction, and minimal maintenance requirements** to deliver a **cost-effective, reliable solution** for demanding operations.

Ideal for **HVAC systems, water treatment plants, industrial automation, and process control**, the SD-1001-200-ECO is **easy to install, maintenance-free**, and ensures **long-term, trouble-free performance** in harsh industrial conditions.

SD-1001-200-ECO – Key Specifications

- **Industry Applications:** Water & Wastewater, Food & Beverage, HVAC, Power Generation, Paper Industries
 - **Rated Torque:** 2000 Nm
 - **Operating Angle:** 90° (Quarter-Turn)
 - **Operating Time:** 45 sec per 90° rotation
 - **Protection Class:** IP65 / IP67 – Weatherproof & Dustproof
 - **Duty Modes:** On-Off / Inching / Modulating
 - **Motor Type:** Single Phase Induction Motor with Thermal Protection
 - **Mounting Standard:** ISO 5211 – Flange Sizes F07 / F10
 - **Weight:** 13 kg
 - **Ambient Temperature Range:** 0°C to 45°C
 - **Supply Voltage:** Single Phase 230 VAC ±10%, 50 Hz ±5%
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Optional Accessories (On Request)

- **Feedback Potentiometer:** High-resolution, continuous type (100–235 Ω) for precise position feedback
- **Position Controller Unit (PCU):** Field/panel-mounted, input: 4–20 mA / 0–10 V DC for remote monitoring and control

- **Position Transmitter:** Actuator-mounted, outputs 4–20 mA proportional signal
 - **Remote Position Indicator:** Panel-mounted digital indicator showing 0–100% valve/damper position
 - **Space Heater:** Prevents condensation inside the actuator; connectable to 230 V AC/DC
 - **Enclosure Protection Upgrade:** Optional IP65 / IP67 for extreme environments
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✓ Applications & Industries

- **Water & Wastewater:** Pipelines, pumping stations, and water treatment plants
- **Food & Beverage Processing:** Hygienic and reliable valve/damper automation
- **HVAC Systems:** Heating, ventilation, and air circulation control for large facilities
- **Power Generation:** Gas line valves, turbines, and renewable energy installations
- **Paper & Pulp Industry:** Automation of high-demand industrial processes
- **Airports:** Air handling, HVAC, and damper control systems
- **Shopping Malls:** Efficient ventilation, fire safety, and climate management
- **Hotels & Resorts:** Optimized temperature regulation and air handling systems