

**Patent No.102207192**

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## Introduction

1. Failsafe Backup Battery installed on UM-1 ~ UM-4 Series
2. UM/R series is low power consumption, High torque electric actuator.
3. With seamless shell and IP67 rated waterproof enclosure, able to install on every outdoors environment.
4. Smooth Opening speed, effectively to avoid water hammer and increase pipeline life.

## Standard Voltage

AC90V ~ 240V

DC12V

DC24V

## Working Environment

-10°C ~ 50°C

## Feature

1. Auto return to position (Full Open or Full Close) when power failure  
Remark: Adjustable for Open and Close (Full Open or Full Close)
2. High efficient battery backup equipment for long time frequent working.
3. Max Torque up to 3500 kgf/cm (UM-4 / 30 sec).  
Various Models for different applications.
4. Easy Electric wiring. Input single power can take actions.  
(Open / Power Off)
5. All Series are equipped with Manual/Automatic switch equipment and Manual equipment.  
For UM-3-1 and above models Electric actuators are equipped with Hand wheel equipment for manual operation when power failure.
6. Output equipment: All series equipped with full open and full close, non-electricity connection (COM, NO, NC) able to withstand voltage AC220V/5A and connect lamp signal or feedback to other controls.

## Specification

UM-1 (15 sec)	UM-2 (15 sec)	UM-4-1 (20 sec)
UM-3 (8 sec)	UM-2-R5 (30 sec)	UM-4 (30 sec)
UM-3-1 (8 sec)	UM-2-R10 (30 sec)	UM-6 (30 sec)

## Cautions

1. Please confirm electricity voltage, temperature, working pressure, media of fluid and other characteristics at working site.  
(Ex. If there is Unstable voltage situation, stabilizer is required)
2. All series are equipped with extended control Box.
3. Please turn the switch knob to manual when manual operation is required.  
Please do not use brute force to operate to prevent malfunction of internal components.
4. Factory default is full open position when input power. Adjusted to Full Close according to operation manual.
5. For long time power off, please turn the switch knob to OFF.  
Please turn it on when electricity is restored to keep return function normal according to operation manual.