

**Item no. Voltage**  
532083 12/24 V

#### Technical specifications

- **Voltage compatibility:** 12V or 24V
- Max current 30 A
- Output for wipers max 10 A
- **Motor cutoff timeout:** 3s if no park sensor detection
- **Undervoltage cutoff: 12V system:** Below 8V. **24V system:** Below 16V
- EMC tested
- Up to 3 wipers
- Synchronized sweep
- Switch and cable included
- Multiple speeds: Interval/Slow/Fast
- Output for washer pump or solenoid

#### Limited warranty

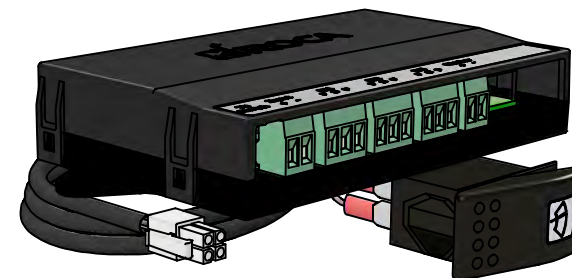
- ROCA warrants the wiper motors to be free from defective material and workmanship for a period of 3 years from the date of purchase.
- This warranty does not apply to failure or damage caused by improper installation, misuse, lightning strike or damage from a power surge.
- If failure occurs during this period, return it to your dealer for repair or replacement.

25019/LW, KH

## Dynamic wiper control 532083

### Installation instructions

Before installation please read these instructions.



### System overview

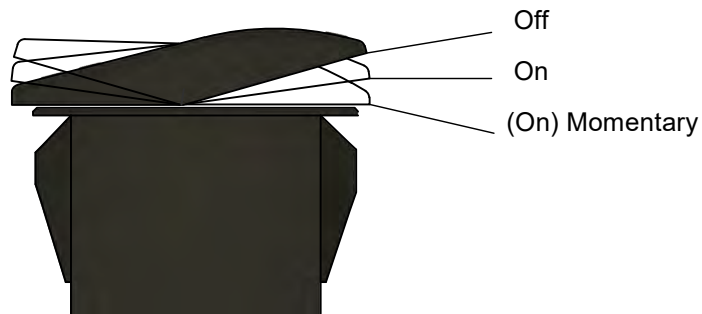
This wiper control system supports both single and multiple wipers with various speed modes and a washer system. It is compatible with **12V and 24V systems** and includes safety features such as motor overload protection and undervoltage cutoff.

Tested for EMC compliance, the unit is designed to minimize electromagnetic interference (EMI), reducing the risk of disruptions to other onboard electronics.



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## Operating the Wipers



### All Wipers Mode

- **Single push:** Starts all wipers in interval mode.
- **Double push:** Runs all wipers at slow speed.
- **Triple push:** Runs all wipers at fast speed.
- **Subsequent push:** Cycles back to interval mode and repeats the sequence.

### Single Wiper Mode

The system can be set to single wiper operation:

- **Long press (from Off to On):** Starts only **Wiper 1** in interval mode.
- **Next push:** Runs Wiper 1 at slow speed.
- **Next push:** Runs Wiper 1 at fast speed.
- **Next push:** Cycles back to interval mode and repeats the sequence.

### Washer Function

- **Hold the switch for more than one second** while the wipers are running to activate the washer.
- **Release the switch** and the wipers will continue at slow speed for about three seconds before returning to their previous mode.

### Motor Protection Features

- **Overload Protection:** If a motor is blocked or overloaded, power will be cut off after a set time.

**To restart:** Turn the switch **off**, then back **on**.

## Installation

(Keep the battery main switch off during installation).

1. Place the control unit in desired position.
2. Insert the screws into holes and tighten.
3. Connect the cable from switch.
4. Connect the remaining cables according to diagram below.
5. Turn on main switch and test all functions.

