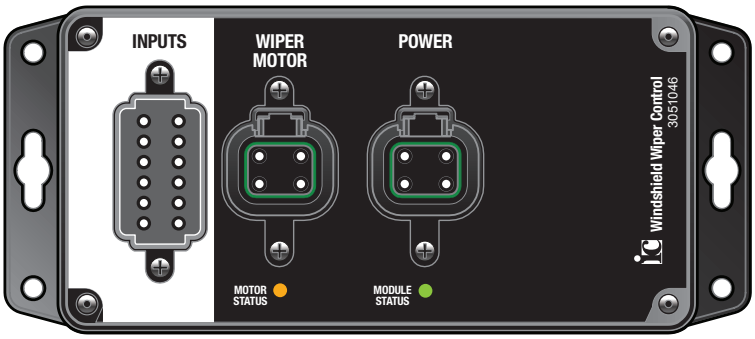
3051046 Single Motor Windshield Wiper Control Module



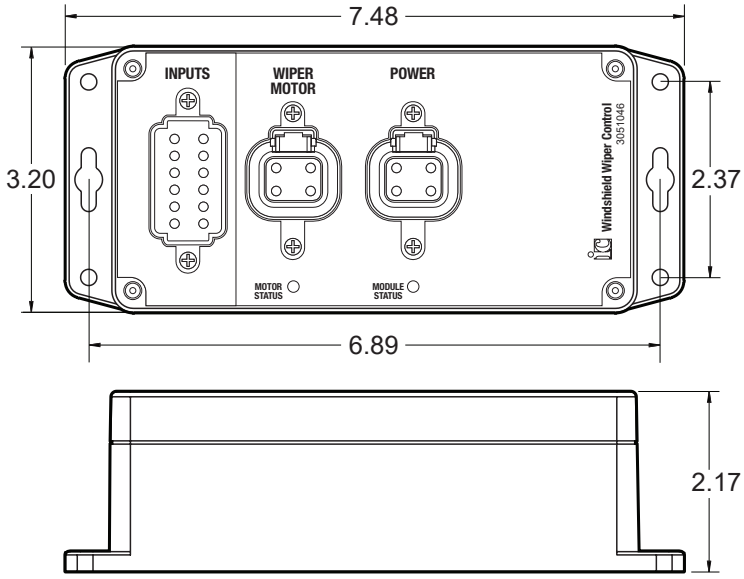
The Innovative Controls Windshield Wiper Control Module is used to control windshield wiper and washer systems that use a single DC brush motor.

- High speed and low speed operation with five intermittent modes with 2, 4, 6, 8, and 10 second delays.
- Independent windshield washer motor control.
- CAN bus operation of the input and output states of the motors.

FEATURES

- **7 low side inputs**
- **3 selectable high side or low side inputs**
- **2 high side solid-state outputs @ 25A**
- **1 high side solid-state output @ 10A**
- **CAN bus interface with J1939 protocol**
- **Status indicator LEDs**

DIMENSIONS



WIPER SWITCH INPUTS

PIN	DESCRIPTION
1	WIPER A IN
2	WIPER B IN
3	WIPER C IN
4	WASH IN
5	WASH OUT
6	GROUND
7	GROUND
8	CAN LO
9	CAN HI
10	SPARE2 IN
11	SPARE1 IN
12	SPARE0 IN

WIPER MOTOR

PIN	DESCRIPTION	PIN	DESCRIPTION
1	MOTOR LO	3	PARK
2	MOTOR HI	4	GROUND

POWER AND GROUND

PIN	DESCRIPTION	PIN	DESCRIPTION
1	BATTERY +	3	(NOT USED)
2	(NOT USED)	4	GROUND

TECHNICAL SPECIFICATIONS

Operating Voltage	7 to 32 VDC
Current Consumption	95mA plus output circuit loads
Operating Temperature	-40C TO +85C (-40F TO +185F)
Storage Temperature	-40C TO +85C (-40F TO +185F)
Ingress Protection	IP65 polycarbonate enclosure
Electrical Protection	CAN Bus protected to 24V. ESD protected to J1113-13 specifications. Transient voltage protected to J1113-11 and J1113-42. Outputs and input circuits are both protected from over-current, over-voltage, and voltage transients.
Inputs	7 low side active inputs, plus 3 high side or low side selectable inputs
Outputs	2 high side outputs rated at 25A each PWM, 1 high side output rated at 10A each
CAN Interface	SAE J1939 CAN 2.0B port operating at 250kbps, J1939-11 or J1939-15 physical layer
Dimensions	6.30" X 3.15" X 2.17", plus external mounting brackets

DOC 7500045 3/2024 REV1

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