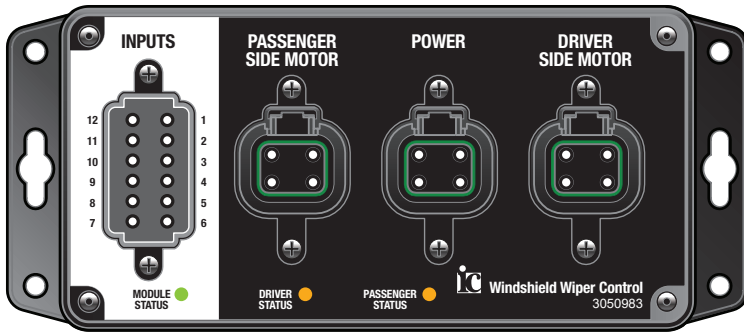




3050983 Windshield Wiper Control Module

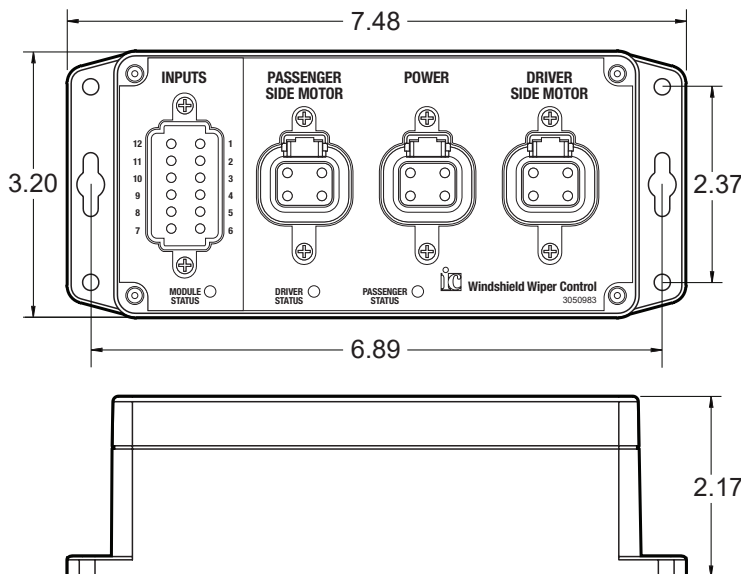


- The Innovative Controls Windshield Wiper Control Module has the capability to control and synchronize the driver and passenger windshield wiper motors.
- There are several delay options for intermittent operation of the windshield wipers.
- Independent windshield washer motor control.
- CAN bus operation of the input and output states of the motors.

FEATURES

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

DIMENSIONS



CONNECTOR J1 / 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

CONNECTOR J4 / PASSENGER SIDE MOTOR

PIN	DESCRIPTION	PIN	DESCRIPTION
1	P MOTOR LO	3	P MOTOR SYNC
2	P MOTOR HI	4	GROUND

CONNECTOR J3 / POWER AND GROUND

PIN	DESCRIPTION	PIN	DESCRIPTION
1	BATTERY +	3	GROUND
2	BATTERY +	4	GROUND

CONNECTOR J2 / DRIVER SIDE MOTOR

PIN	DESCRIPTION	PIN	DESCRIPTION
1	D MOTOR LO	3	D MOTOR SYNC
2	D MOTOR HI	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	IP67 POTTED ABS PLASTIC ENCLOSURE
Electrical Protection	Reverse voltage polarity protection on all connections. Internal thermal fuses. 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 reverse polarity, over-current, over-voltage, and voltage transients.
Inputs	7 LOW SIDE ACTIVE INPUTS, PLUS 3 HIGH SIDE OR LOW SIDE SELECTABLE INPUTS
Outputs	4 HIGH SIDE OUTPUTS RATED AT 25A EACH PWM, PLUS 1 HIGH SIDE OUTPUT RATED AT 10A EACH PWM
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