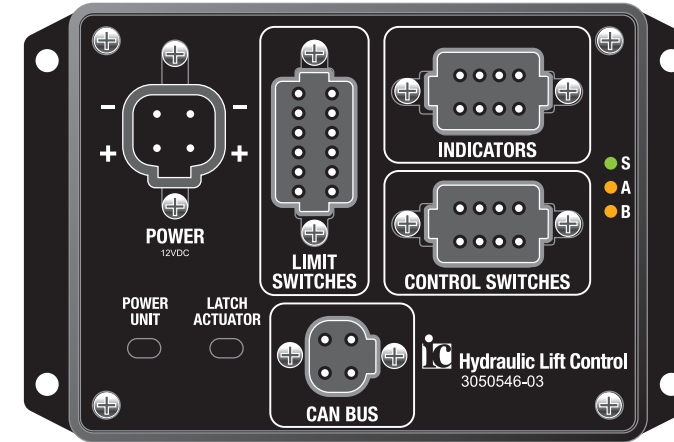


TECHNICAL SPECIFICATIONS

Operating Voltage	7 to 32 VDC
Power Consumption with no loads at 13.8 VDC	45 mA
Motor Current	25A continuous, 35A for 2 minutes, 50A for 20 seconds
Operating Temperature Range	-40°C to +105°C (-40°F to +220°F)
Storage Temperature Range	-40°C to +105°C (-40°F to +220°F)
Ingress Protection	IP67
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 Indicator outputs are protected from reverse polarity, over-current, over-voltage, and voltage transients Input circuits are protected from reverse polarity, over-current, over-voltage, and voltage transients Watchdog timer supervises proper execution of software
SAE J1939 Protocol	CAN 2.0B port operating at 250kbps, J1939-11 or J1939-15 physical layer
Indicator Output Current Max	High side polarity 1A
Dimensions	6.13" wide x 4.62" high x 1.25" deep
Weight	771 grams (1.7 pounds)



3050546-03 Ladder Lift Control System



LADDER RACK CONTROL IN A SMART DESIGN

The Innovative Controls Inc. Ladder Lift Control Systems are used to operate 12VDC electric and hydraulic actuators used in ladder rack storage lift systems. The Ladder Lift Controls can be operated and interlocked using hardwired inputs or an optional J1939 CAN Bus interface.

FEATURES

- 25A Continuous / 50A Surge Motor Current
- Hardwired Control Inputs
- Hardwired Indicator Outputs
- J1939 CAN Bus Operation
- Lock Inputs to Prevent Operation in either Direction
- Electronic Overcurrent Sensing and Protection
- Front Panel Status LEDs
- -40C to +105C (-40F to +220F) AEC-Q100 Level 2 Operating Temp.
- No Configuration Jumpers
- Potted Module for Dust and Water Ingress Protection

The 3050546-03 ladder lift control is designed to operate lift systems operated by hydraulic power under electronic control. The 3050546-03 ladder lift control module contains two DC motor controls used to operate a hydraulic power unit and a boom latch actuator. The boom lift direction can be controlled by +12V hardwired inputs or a J1939 CAN data link. The control module has inputs for a master interlock from the vehicle chassis, lift door open, and boom latched. Indicator outputs are provided to drive the left and right warning lights, control switch ok to operate lamp, and a boom unlatched warning signal.

The 3050494 control bezel contains an operator interface switch and backlit LADDER RACK and OK TO OPERATE indicators. The OK TO OPERATE backlight is used to indicate when the interlocks are properly engaged. The control bezel features a waterproof switch and side guards.

PART NUMBERS

Description	IC Part Number
Ladder Lift Controller	3050546-03
Switch Bezel Assembly	3050879

DIMENSIONS

