

Motor Control w/ Voice Output

Date datasheet created:
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Intellitec's Motor Control w/ Voice Output is part of the expanding family of the MONOPLEX System. These controllers are designed to control the operation of a slide out room electrical mechanism.

Features

New features included in this slide-out module includes the following;

- Ignition Interlock,
- Press and Hold Operation,
- With or Without Audible announcement in combination with or without delay of slide-out motion.

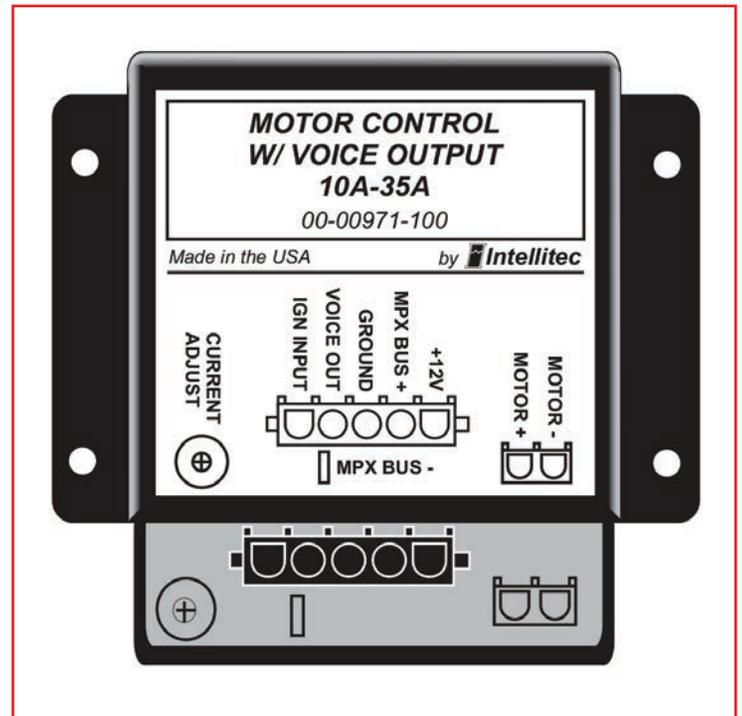
How Does It Work?

To operate the room, the owner would simply press and hold the button in the desired direction (In or Out). With the jumper in the default setting, there is delay in operation of the slide-out to allow for a voice announcement that the slide-out is in motion.

The motion of the slide-out may be stopped at any time by releasing the button. When the slide out reaches it's outer most limit, the unit will sense the rise in current and switch off the power to the slide out motor.

To move the room back in again, the owner will press and hold the button in the desired direction. Again, there is a short delay in operation of the slideout to allow for a voice announcement that the slideout is in motion. When the slide out reaches it's inner most position, the controller will sense the rise in current and will shut off power to the motor.

Direction control is accomplished by using the rocker switch terminated at the MPX Bus input. The module operates by sensing the voltage on the MPX bus input. When the MPX bus is at 12 Volts, the motors are at rest. As the switch is depressed (In or Out direction) each function sends a different load to the module which in turn interprets the direction of travel.



The Current Adjust is used to prevent damaging the motors or opening of the fuse or circuit breaker for the slide-out unit. If the current exceeds a preset level, the module shuts off. To restart the motor, press the switch in the another direction.

The jumper settings (inside cover) provides the following modes of operation:

1-2: Delay w/ Output - Delay in operation of slide-out allowing for the voice announcement.

2-3: No Output - No delay in operation of the slide-out and there is no voice announcement.

No Jumper: No Delay w/ Output-No delay in operation of the slide-out with the voice announcement.

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Specifications

Part Number: 00-00971-000/-100/-200/-300

Operating Voltage: 10 to 16 VDC

Current carry capabilities *: 971-000
Stall Current Threshold: 20 to 50 A
Standby current draw: 2 milliamps

Current carry capabilities *: 971-100
Stall Current Threshold: 10 to 35 A
Standby current draw: 2 milliamps

Current carry capabilities *: 971-200
Stall Current Threshold: 5 to 15 A
Standby current draw: 2 milliamps

Current carry capabilities *: 971-300
Stall Current Threshold: 2 to 6 A
Standby current draw: 2 milliamps

Operating Temperature: -40 C to +85 C (-40 F to +185 F)

Operating Environment: Protected from direct weather

Jumper Setting (inside cover): 1-2 Delay w/ Output (factory default jumper setting). 2-3 No Output. No Jumper, No Delay w/ Output.

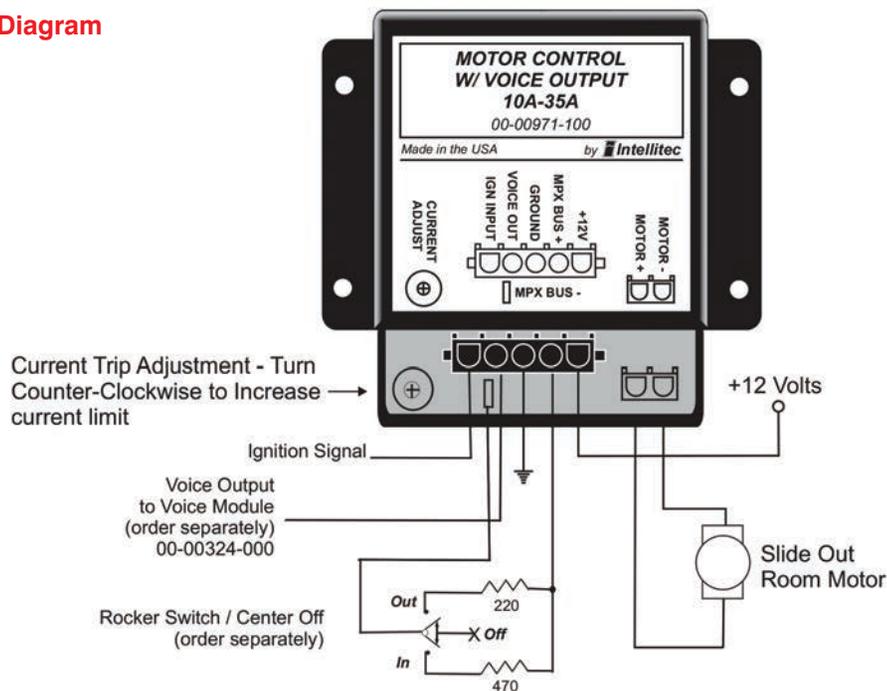
Signal Descriptions

Ignition Input: Input, High Side

Voice Out: Output, 12 VDC, Rated @ 10 A

MPX Bus: Input, Monoplex Signal to Determine Direction

Typical Wiring Diagram



For further information on this product,
please contact Intellitec.