B300S
Automatic Door Slider Control

Instruction Manual

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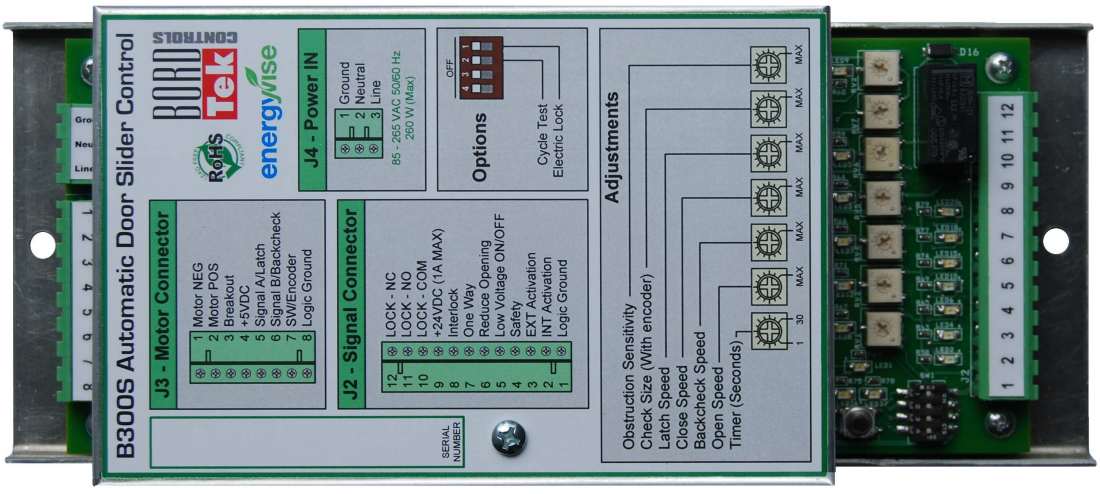

BordTek Controls Inc 1-866-BordTek 1-866-267-3835 FAX 613-253-1176

⚠ WARNING

This control must be adjusted/serviced by a qualified person. The service technician must be familiar with the latest ANSI standards**.**

NEVER sacrifice the safe operation of the automatic door for an incomplete solution. Call the factory for technical support.

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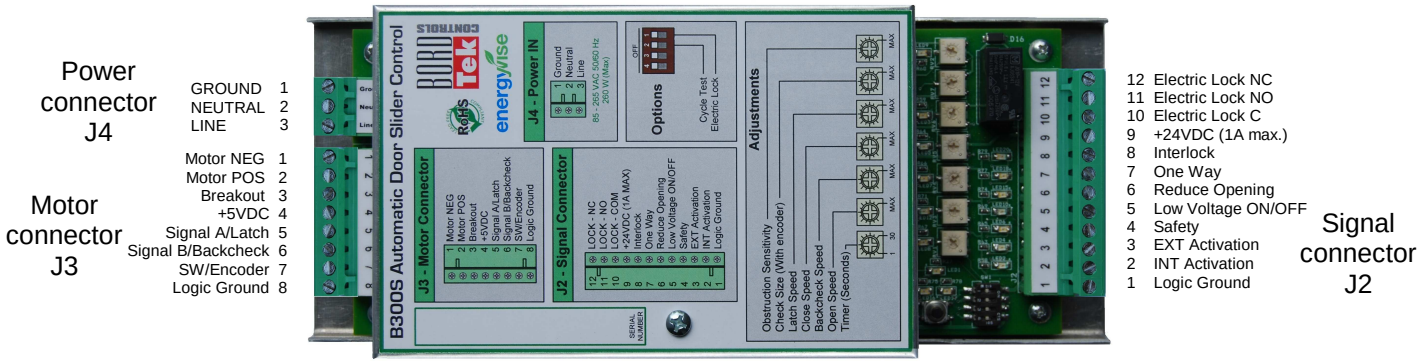
B300S Module Description/Connector Pinouts



Power connector (J4) PIN configuration

PIN	Signal	Definition
J4.1	GND	Connect to the GROUND of the power source
J4.2	NEUTRAL	Connect to the NEUTRAL of the power source
J4.3	LINE	Connect to the LINE of the power source

Motor connector (J3) PIN configuration

PIN	Signal	Definition
J3.1	Motor + (NEG)	Connect to the motor negative
J3.2	Motor - (POS)	Connect to the motor positive
J3.3	Breakout	Connect this signal to breakout switch. This signal cancels the openning or closing when NOT tied to ground.
J3.4	+5VDC	Power supply for encoder
J3.5	Signal A/Latch	This input is used for the latch signal or the A bit of the encoder.
J3.6	Signal B/Backcheck	This input is used for the backcheck signal or the B bit of the encoder.
J3.7	SW/Encoder	This signal is used to select for switch type or encoder type
J3.8	Logic Ground	Isolated ground reference.

Signal connector (J2) PIN configuration

PIN	Signal	Definition
J2.1	Logic Ground	Reference ground for logic signals
J2.2	INT Activation	This signal to logic ground will initiate an opening.
J2.3	EXT Activation	This signal to logic ground will initiate an opening, unless the One Way signal is to logic ground.
J2.4	Safety	This signal to logic ground will prevent the door from closing.
J2.5	Low Voltage ON/OFF/M0	This signal to the logic ground enables the control. If Option switch #3 is set to "ON", This signal is used for the 4 way switch.
J2.6	Reduce Opening	For energy saving, this signal to logic ground will reduce the opening width.
J2.7	One Way/M1	This siganl to logic grount will prevent the EXT activation to activate the door.This feature is to allow pedestrian to exit but not enter. If Option switch #3 is set to "ON", This signal is used for the 4 way switch.
J2.8	Interlock	Connect to the Interlock of an other control to prevent the operation of the door while one door is active.
J2.9	+24VDC (1A Max)	Regulated 24VDC supply for external accessories. (eg.: Motion sensors)
J2.10	Electric Lock COM	This connection is the common for the electric lock.
J2.11	Electric Lock NO	This connection is the normally open for the electric lock.
J2.12	Electric Lock NC	This connection is the normally close for the electric lock.

Option switches

Switch number	Definition
1	Electric Lock
2	Cycle Test
3	4 Way Switch
4	Handing

1 Module Adjustment

All trimmers are at minimum values when turned fully counter clock wise and are at maximum values when turned fully clockwise. A trimmer is active when the corresponding light (LED) is lit.

1.1 Handing

When power is first applied the door will open and close to do a learn cycle.

Note: If the door motion is reversed, the handing option will need to be changed. To change the handing, first remove the power, then put the option switch #4 to the "ON" position. Apply power, the learning cycle will begin, and the door motion should be correct.

1.2 Speeds and Timer Adjustment

Activation Timer - Adjust the trimmer to the desired value. Minimum value is 1 second and maximum value is 30 seconds. Timer starts decreasing when door is fully opened.

Open speed - Adjust the trimmer during an opening cycle. Trimmer is active when the corresponding LED is lit.

Backcheck speed - Adjust the trimmer when door is at backcheck position. Trimmer is active when the corresponding LED is lit.

Close speed - Adjust the trimmer during closing cycle. Trimmer is active when the corresponding LED is lit.

Latch speed - Adjust the trimmer when door is at latch position. Trimmer is active when the corresponding LED is lit.

Check size - Adjust the trimmer for the desired check size.

Obstruction sensitivity - See section 2.3

1.3 Current limit and Reverse on Obstruction

During an opening cycle, if the motor exceeds the allowed current limit defined by the obstruction sensitivity trimmer, a red light (LED) will lit, the opening cycle is cancelled and the operator is disabled for ten seconds. During a closing cycle, if the motor exceeds the allowed current limit defined by the obstruction sensitivity trimmer, a re-opening will occur. If this condition occurs four times during one door cycle, the operator will be disabled until a power cycle is done.

For further information contact technical support at 866-267-3835.