

25B Harland Avenue, Malaga, W.A. 6090.

Postal Address: P.O. Box 3271, Malaga, W.A. 6945.

Telephone: (08) 9248 1646, 1300 55 5856 (Outside WA) Fax: (08) 9248 2003

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NS900 ADVANCED DUAL SLIDING / SWING GATE CONTROL

1. DIP SWITCH SETTINGS

DRIVE

1 2 4 8 16 32

Drive time.

For each number that is on, add that time (in seconds) to get the total drive time. If all switches are off, the minimum time is 1 second. If all are on, the maximum time is 63 seconds.

CBO

Close before open.

On Enable close before open option. The gate will drive closed for half a second, pause for half a second and then open as normal (only active on the initial opening of the gate).

Off Disable close before open.

ACT

Add Closing Time.

On An additional period of 5 seconds is added to the closing drive time of the gate.

Off Closing time as per drive time DIP switches

OPEN

1 2 4 8 16 32

Hold open time.

When configured for automatic closing, for each number that is on, add that time (in seconds) to get the total hold open time before closing.

CTQ

Constant Torque mode.

On No additional delay period added when motors change direction.

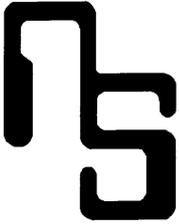
Off Stops motor for an additional 0.75 seconds before changing direction.

I/OP

Impulse or open only mode (radio input only).

On Open only.

Off Impulse mode (If gate open, then close. If gate closed, then open).



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<u>LOCK</u>	1	2	Lock operating time
	Off	Off	0.25 seconds
	Off	On	1 second
	On	Off	2 seconds
	On	On	2.55 seconds

BRK

Brake

On Dynamic motor braking is activated when the motor is stopped.

Off Dynamic motor braking disabled.

POC

Power on Close

On Gate will close when power to controller first applied.

Off Gate position will not change when power applied.

HOT

Half Open Timing.

On Open for 25% of the selected drive time on the first leaf only.

Off Open for 25% of the selected drive time on both leaves.

LOC

Lock On Close

On Enable lock operation on opening and closing.

Off Disable lock operation on closing.

DCT

Direction Change Timing.

(Direction change timing comes into effect if the door changes direction during opening or closing).

On Overrun drive time by 15 seconds.

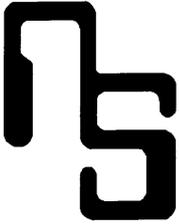
Off Overrun drive time by 2 seconds.

SWG

Swing Gate.

On 2.55 second delay on second leaf operating in close direction only.

Off Both leaves operate simultaneously.



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2. INPUTS

ANT Radio antenna connection

LIMITS 2

COM Common connection for limits on motor 2.

CLS Close limit 2 (Normally Closed)

OPN Open limit 2 (Normally Closed)

LIMITS 1

COM Common connection for limits on motor 1.

CLS Close limit 1 (Normally Closed)

OPN Open limit 1 (Normally Closed)

AUX Reserved

SAFETY

Requires a constant bridged signal to indicate that the gate is not obstructed while closing. If the SAFETY input is not bridged while the gate is closing, the gate will stop and reverse open. If in auto close mode, the gate will stay open until the SAFETY input is continuously bridged and the hold open timer has run down. It will then close as long as the SAFETY input remains bridged for the entire closing drive time.

If in manual close mode, the gate will remain open indefinitely until a subsequent CLOSE signal is activated and the SAFETY input is bridged. The SAFETY input is only monitored while the gate is closing or ready to close and is ignored at all other times.

H/OP

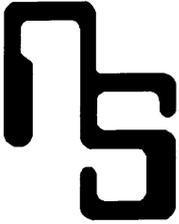
When fully closed, bridging the H/OP input will cause the gate to partially open for 25% of the selected drive time and then automatically close after the hold open timer has elapsed (if gate is set to automatic close). If in manual close mode, a subsequent activation of the H/OP input will cause the gate to close.

COM Common connection

STOP

Bridging the stop input will cause the gate to stop and remain stopped regardless of its current drive direction or auto/manual close mode. If a constant stop signal is maintained, the gate will remain stopped regardless of any other additional input activation such as open or closed, thus acting as an emergency stop.

CLOSE



Neatrol Holdings Pty. Ltd. trading as:

NEATROL SYSTEMS

ABN 20 056 432 118

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Bridge the close inputs to close the gate. If the gate was currently opening, it will stop and reverse to the close direction.

OPEN

Bridge the open inputs to open the gate. If the gate was currently closing, it will stop and reverse to the open direction.

COM Common connection

IMP

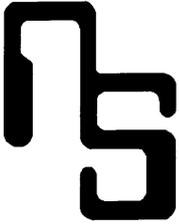
Bridge the impulse input to cause the gate to open, stop and close. The sequence of activation if IMP is repeatedly activated is: open, stop, close, open, stop, close, etc.

MAN

Permanently bridge the manual input to disable automatic closing.

COM Common connection

250V 250/240VAC Main power input (10A max.)



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3. OUTPUTS

24VAC 24 Volt AC power out. 500mA maximum available output

12VDC 12 Volt DC power out. 250mA maximum available output

TORQ CAP (motor 1)

Torque Capacitor connection for use with constant torque motors.

RUN CAP (motor 1)

Run Capacitor connection for motors that require a run capacitor.

MOTOR 1

- 1 Motor Open Field Connection
- 2 Motor Close Field Connection
- N Motor Neutral Connection

TORQ CAP (motor 2)

Torque Capacitor connection for use with constant torque motors.

RUN CAP (motor 2)

Run Capacitor connection for motors that require a run capacitor.

MOTOR 2

- 1 Motor Open Field Connection
- 2 Motor Close Field Connection
- N Motor Neutral Connection

AUX2 Reserved

LOCK 12VAC lock output 1A max.

4. VOLTAGE & CURRENT SPECIFICATIONS

Outputs	Rating
Max motor rating (each)	1 Horsepower (750W)
Aux current	12VDC, 24VAC @ 500mA total max
Aux Lock output	12VAC 1A max