

Neatrol Holdings Pty. Ltd. trading as:

NEATROL SYSTEMS

ABN 20 056 432 118

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

Web: <http://www.neatrol.com.au> E-mail: neatrol@neatrol.com.au

GC101 ADVANCED SINGLE SLIDING GATE CONTROL

1.0 DIP SWITCH SETTINGS

4 8 16

Hold open time. For each number that is on, add that time (in seconds) to get the total hold open time. If all switches are off, minimum time is 1 second. If all are on, maximum time is 28 seconds.

<u>A</u>	<u>B</u>	<i>Drive time</i>
OFF	OFF	10 seconds
ON	OFF	20 seconds
OFF	ON	30 seconds
ON	ON	40 seconds

Maximum drive time (if limit not reached first).

IMP

Radio input mode. If IMP is on then the radio input acts as an impulse input, otherwise it acts as an open input.

AUT

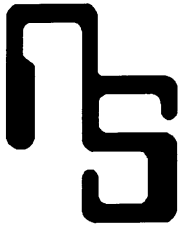
Automatic close. If AUT is on then the gate will automatically close after the hold open time has elapsed. Otherwise it acts in a manual mode and requires an impulse activation or a close signal before the gate will close.

BRK

Brake mode. If BRK is on then dynamic motor braking is activated when the motor is stopped, otherwise the brake is disabled.

2.0 Voltage & Current specifications (Overview)

Inputs	
Line voltage	240-250VAC
Outputs	
Max motor current	4A
Aux current	12VDC, 24VAC @ 500mA total max
Aux Lock output	12VAC 1A max



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3.0 Inputs

(Red LEDs adjacent to each input indicate if the input is bridged)

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. See the following OPEN, STOP, CLOSE descriptions for an explanation of how each activation operates.

OPEN

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

P/OPEN

When fully closed, bridging the P/OPEN input will cause the gate to partially open for 5 seconds and then automatically close after the hold open timer has elapsed (if AUT is activated). If in manual close mode, a subsequent activation of the P/OPEN input will cause the gate to close.

STOP

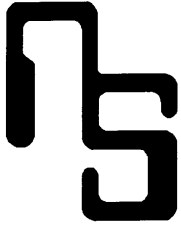
Bridging the stop input will cause the gate to stop and remain stopped regardless of its current drive direction or auto/manual close mode. If a constant stop signal is maintained, the gate will remain stopped regardless of any other additional input activation such as open or closed, thus acting as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

CLOSE

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

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 is still running. 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.



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OPEN LIMIT

Bridging this input tells the controller that the gate is not in it's fully open position. Conversely, if the input is open circuit, this indicates the gate is fully open and at the limit of it's travel. If no limit switches are used for the gate, always bridge this input.

CLOSE LIMIT

Bridging this input tells the controller that the gate is not in it's fully closed position. Conversely, if the input is open circuit, this indicates the gate is fully closed and at the limit of it's travel. If no limit switches are used for the gate, always bridge this input.

4.0 Outputs

MOTOR

To suit single phase 240V dual wound motor.

N Neutral

M1 Motor Active1 (Open drive)

M2 Motor Active2 (Close drive)

5.0 Antenna

Match antenna to suit your ATA, ELSEMA or AIRKEY[®] plug-in receiver as directed by the manufacturer.