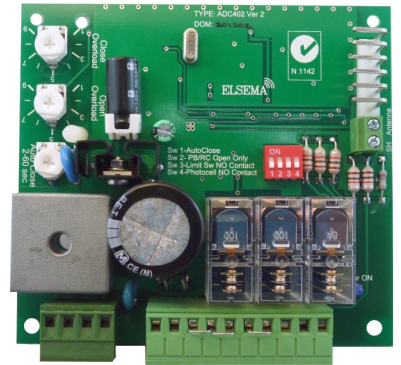


ADC402

Automatic Gate and Door Controller for DC Motors

Features

- Suitable for automatic sliding and swing gates and doors
- Automatic detection for 24 or 12 Volt supply for controller and motor
- Separate overload adjustment for open and close up to 9 Amps
- Plug in type terminal blocks for easy wiring and servicing
- Adjustable auto close from 2 to 60 seconds
- Inputs for push button, open only, photoelectric beam and limit switches
- Optional battery backup available with the BACH charger



Description

The ADC402 has been used in the gate and door industry in Australia and around the world for over 2 decades. It is one of the most cost effective solution to automate your gate or door.

In fact there is no other card in the market that comes close to it when it comes to cost per feature price. It has automatic 12 or 24 volt detection, limit switch inputs, obstruction detection, photoelectric beam input, push button input, wireless receiver input, light output and auto close features all as standard features.





The size of the card is only 115 x 105mm making it very easy to be integrated into existing cases with limited space.

If you are looking for a card with more advanced features and an easy to read LCD, then the MCS is your solution.

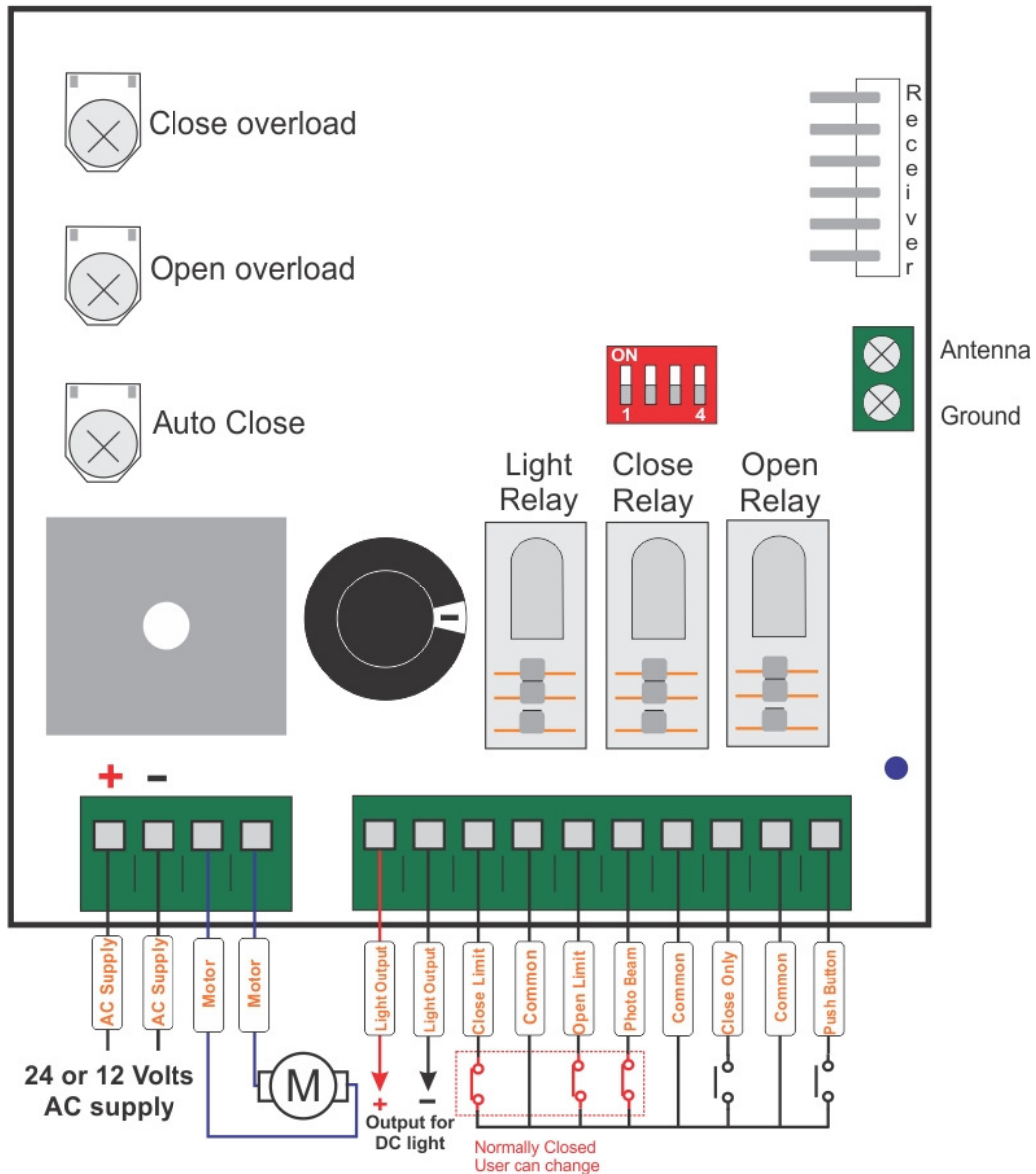
Technical & Installation Instruction

1. Power supply use 24 or 12 Volts. Transformer size should be matched to the motor supply current.
2. Install a 2 Amps fuse on the 240V AC side of the transformer.
3. Open relay must open the gate or door. If it does not, reverse the two motor wires at the terminal input or on the motor. See diagram below for open relay position.
4. Turning clockwise on the overload trimpot will increase motor power before tripping.
5. If Auto Close switch is on, gate/door will close after the preset time has expired. Preset 2 - 60 seconds
6. Size of printed circuit board is: 115 X 105 X 40mm.
7. Mounting hole spacing is: 105 X 95mm. Use 1/8" or 3mm screws.

Dip Switch Settings:

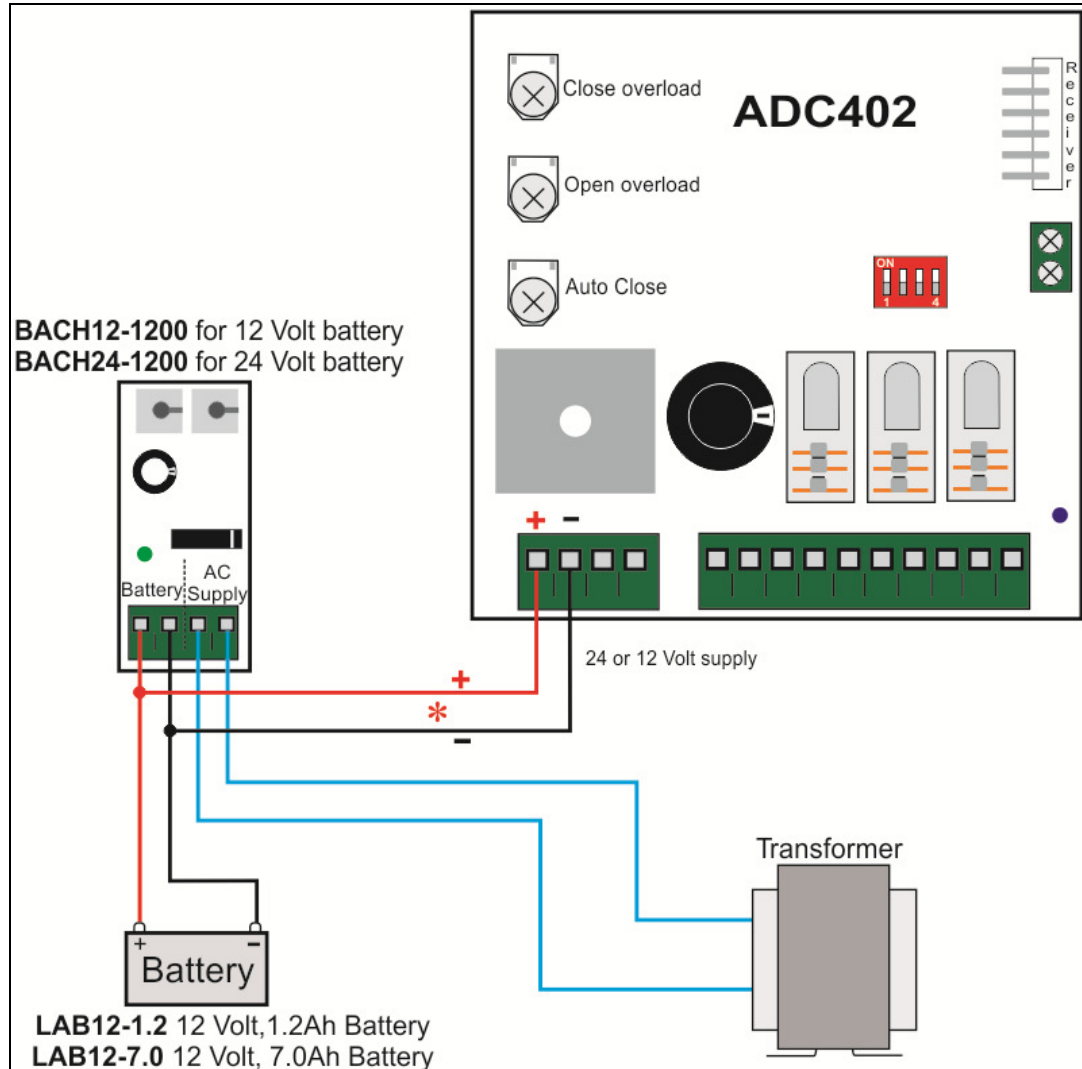
Dip Switch	Feature	ON	OFF
	Auto-Close time	Auto close enabled adjustable 2-60sec	Auto close disabled
	Push Button & Remote Control	Open only	Open, Stop, Close
	Limit switches	Normally Open	Normally Close
	Photo Cell	Normally Open	Normally Close

Wiring Diagram:



Optional charging and battery backup circuit

This diagram shows how to connect a battery and the Elsema charger (BACH) to the control card. This gives the added option of battery backup.

**Note**

*Polarity from the charger has to be correct when connecting to **ADC402**.

1. Use a suitable battery to match motor current.
2. Transformer is used to charge the battery only. Transformer should be minimum 2 Amps.

Manufactured by

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Distributed by