ADC302-12 and ADC302-24

Automatic Door Controller for DC Motors

Features

- 2 versions - ADC302-12 (for 12V Motors) & ADC302-24 (for 24V Motors)
- Adjustable auto close time :2-60sec
- Separate overload trigger levels for open and close.
- Inputs for Push button, Remote control, Photo cell.
- On board test switch.
- Security close option.

ADC302-12	For 12V Motors
ADC302-24	For 24V Motors

Description

Automatic Doors in recent years have become part of our lives, we want shopping malls, restaurants, factories and even our homes to have Automatic Door Controllers installed.

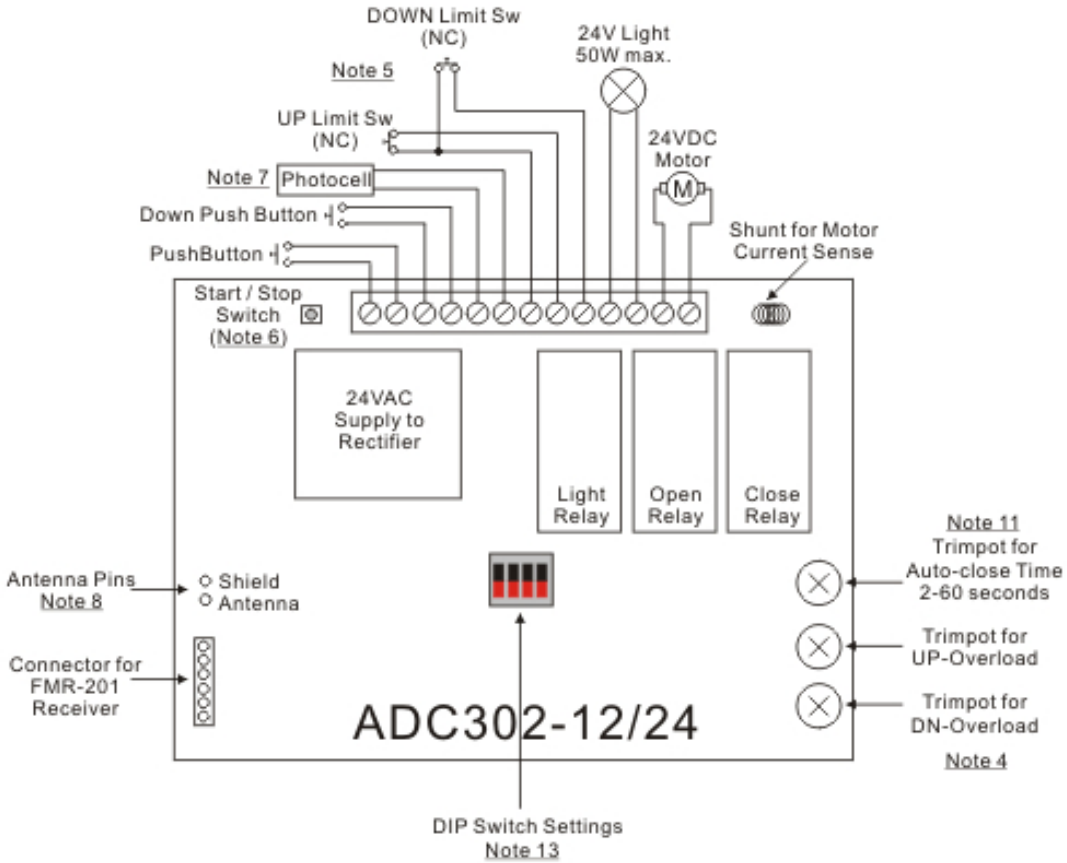
The ADC302-12 is used for 12VDC motors while the ADC302-24 is used for 24VDC motors. Motors can be operated up to 6 Amps.

The ADC 302 has an adjustable Auto-Close time of 2-60 seconds. Other times available upon request.

The overload trigger level has a separate trimpot setting for opening (up) and closing (down), this enables the user to accurately set the sensitivity in each direction

ADC302-12 overload trigger level is 1.5 to 8 Amps.

ADC302-24 overload trigger level is 1.5 to 8 Amps.



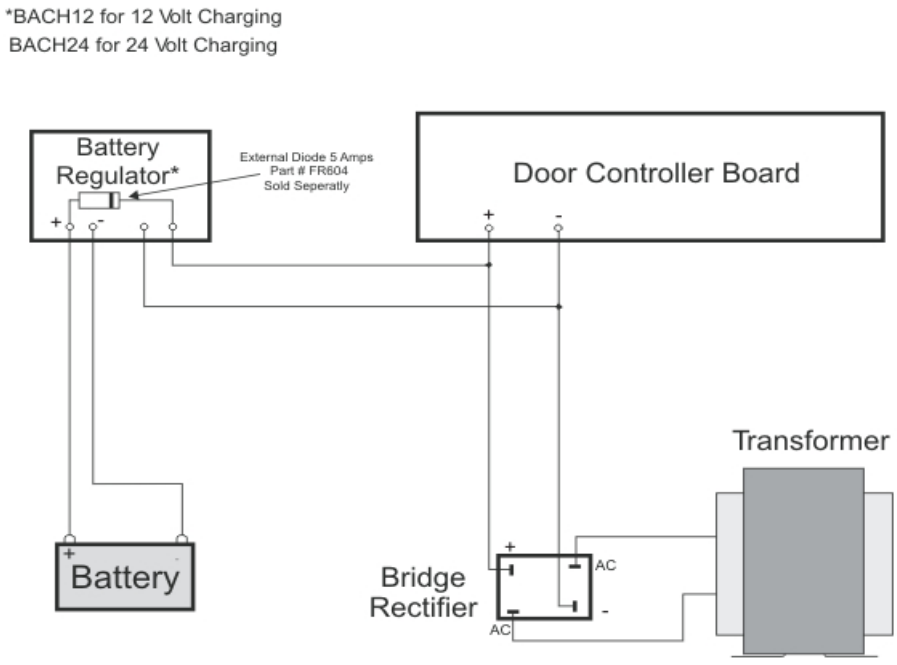
Technical & Installation Instruction

1. Power Supply: Use suitable 12 (ADC302-12) or 24 (ADC302-24) Volt 5 Amps transformer connected to the bridge rectifier.
2. We advise to install a 2amps fuse on the 240V AC side of the transformer.
3. "Open Relay" must open door, if wrong, reverse two wires to the motor.
4. Turning Clockwise on the overload trimpot will enable more motor power before tripping.
5. Up and Down limit switches are Normally Closed Contact (NC).
6. On-board push button may be used with a suitable linkage to any external button.
7. Photo Cell contact must be "normally closed" for operation.
8. Antenna wire to be approximately 1-2 metres wire, keep clear of other wires or metal frames.
9. Light relay has 24VDC output, operates for 3-minute courtesy light.
10. Size of printed circuit board is: 115 X 105 X 40mm.
11. Mounting Hole spacing is: 105 X 95mm. Use 1/8" or 3mm screws.
12. If Auto close switch is on, door will close after being open for an adjusted time of : 2-60 seconds
13. Dip Switch Settings:

Dip Sw 1	Dip Sw 2	Dip Sw 3	Dip Sw 4
Auto-Close	Push Button & Remote Control	Security Close	Photcell- Normally Close

Charging and battery backup Circuit

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



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