

# ELJA

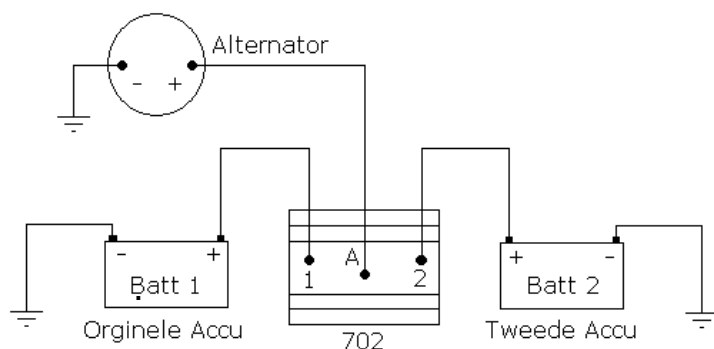
## User manual ELJA Battery Isolators



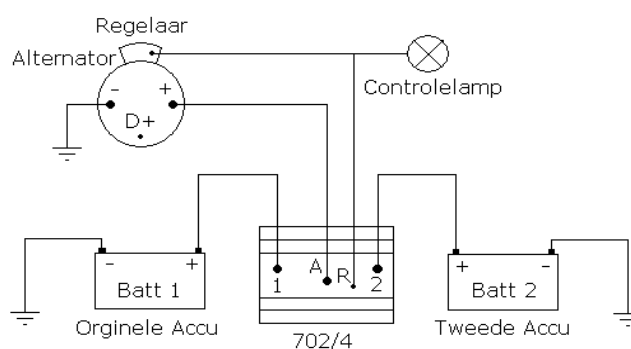
This user manual is available for the following types, named in the diagram below.

| ELJA type | Maximum Alternator current | Battery charger current | Number of chargers | R - contact |
|-----------|----------------------------|-------------------------|--------------------|-------------|
| 702       | 70 A                       | 50                      | 2                  |             |
| 702-4     | 70 A                       | 50                      | 2                  | X           |
| 703       | 70 A                       | 50                      | 3                  |             |
| 1202      | 120 A                      | 100                     | 2                  |             |
| 1202-4    | 120 A                      | 100                     | 2                  | X           |
| 1203      | 120 A                      | 100                     | 3                  |             |
| 1203-4    | 120 A                      | 100                     | 3                  | X           |
| 1602      | 160 A                      | 100                     | 2                  |             |

### ELJA battery isolator without R-contact



### ELJA battery isolator with R-contact



#### Instructions:

1. Disconnect the ground cable(s) from the battery before installing isolator to eliminate an accidental short, that could damage the electrical system. Never run the engine with loose or open connection. This could burn the alternator.
2. Mount the ELJA battery isolator always on a dry place where there is enough ventilation of air.
3. Connect the positive from the first charger set on connection 1 from the isolator.
4. Connect the positive from the second charger set on connection 2 from the isolator.
5. If the isolator has a third battery connection, (703 or 1203) then you can connect the third charger set on connection 3 from the isolator..
6. Connect the B+ connection of the alternator on to the A connection from the isolator.

When the battery isolator has a R-connection, follow the instructions and add the points below to the instructions

7. Connect the voltage-regulator from the alternator with the R-connection on the battery isolator.
8. Solder a wire (1,5 mm<sup>2</sup>) on to the connection-point on the regulator, which makes contact with the springcontact in the alternator.
9. Take care of it that the connection-point on the regulator may not come in contact with the springcontact in the alternator.
10. Remount the voltage-regulator on the alternator and let the new wire come out.
11. Connect the new wire, mentioned in point 10, to the connection-point "R" on the ELJA battery isolator.
12. Disconnect the wire, which comes from the dashboard controllamp from the alternator (D+) and connect this wire also on connection-point "R", or connect this wire with the wire, mentioned in point 11.

#### Application with battery chargers:

When the ELJA Battery Isolator is used with a battery charger, the procedure is the same as with an alternator. The only point of attention is that there is no B+ from the alternator as main connection, but the + from the battery charger. The R-connection is not applicable in this case.

#### Guarantee

1 year after sale, in reservation of correct placement and connection