# SUPER B TBS RBS To NOMIA Connection User Guide



Contents



## SUPER B TBS RBS To NOMIA Connection


## Product Information

The TBS Remote Battery Switch is a battery switch designed for use with the NOMIA battery system. It is available in two versions: DCM RBS 12V-500A for 12V applications and DCM RBS 24V-500A for 24V applications. The switch operates in monostable mode and can be configured using the manual.

## Important Safety Precautions

- Always consult the latest manual on the TBS website for precautions and specifications.
- The TBS relay is delivered in default bi-stable mode, but it should be put in mono-stable mode using the manual.
- A complete power loss of the system may cause the TBS relay to stay in the last position, leading to an unsafe situation when power is restored. Verify if this behavior fits the safety requirements of your system or contact Super B.
- Avoid using the manual control buttons to override the batteries relay control, as it can damage the battery through overcharging or deep discharging.

**Connection Instructions – 12V System**

When connecting the TBS RBS to a NOMIA battery in a 12V system:

1. Consult the Super B Nomia manual for further precautions, specifications, and connections.
2. Use the DCM-RBS-12V-500A switch for 12V applications.
3. Connect the red wire from the DCM-RBS-12V-500A switch to the positive terminal of the battery.
4. Connect the black wire from the DCM-RBS-12V-500A switch to the negative terminal of the battery.
5. Connect the orange wire to the system V+ (12V) terminal.
6. The yellow and brown wires are not used in this connection.
7. Optional: Install a main fuse between 5-8 A for additional protection.

**Connection Instructions – 24V System**

When connecting the TBS RBS to a NOMIA battery in a 24V system:

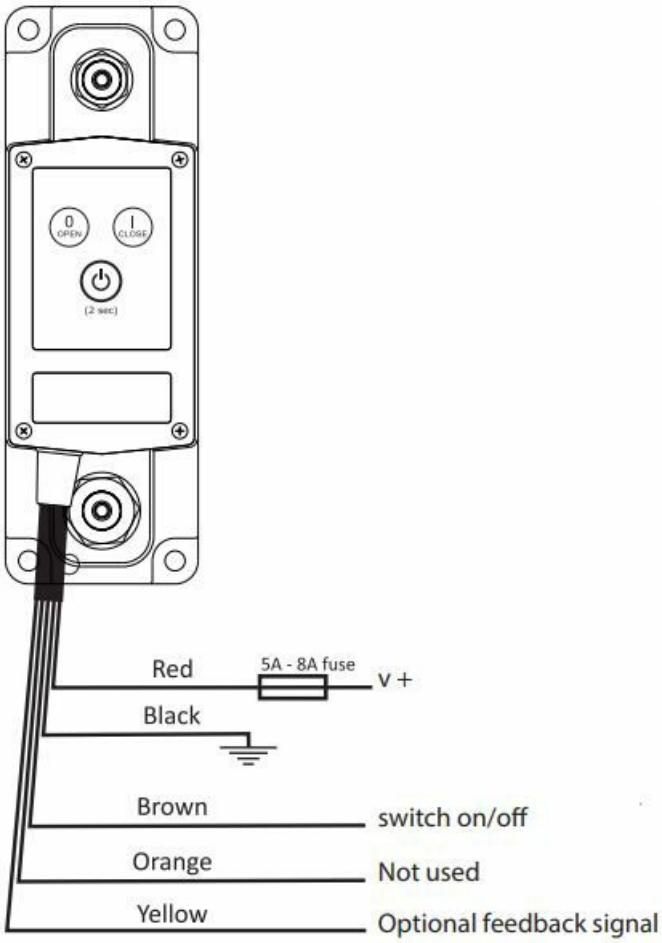
1. Consult the Super B Nomia manual for further precautions, specifications, and connections.
2. Use the DCM-RBS-24V-500A switch for 24V applications.
3. Connect the red wires from both the DCM-RBS-24V-500A switch and the system V+ (24V) terminal to the positive terminal of the battery.
4. Connect the black wires from both the DCM-RBS-24V-500A switch and the system V+ (24V) terminal to the negative terminal of the battery.
5. Connect the orange wire to the system V+ (24V) terminal.
6. The yellow and brown wires are not used in this connection.
7. Optional: Install a main fuse between 5-8 A for additional protection.

For further assistance or inquiries, please contact Super B at T+31(0)88 00 76 000 or send an email to **info@super-b.com.** Visit our website at [www.super-b.com](http://www.super-b.com) for more information.

**QUICK START GUIDE**

- TBS Remote battery switch
- **12V:** DCM RBS 12V-500A
- **24V:** DCM RBS 24V-500A

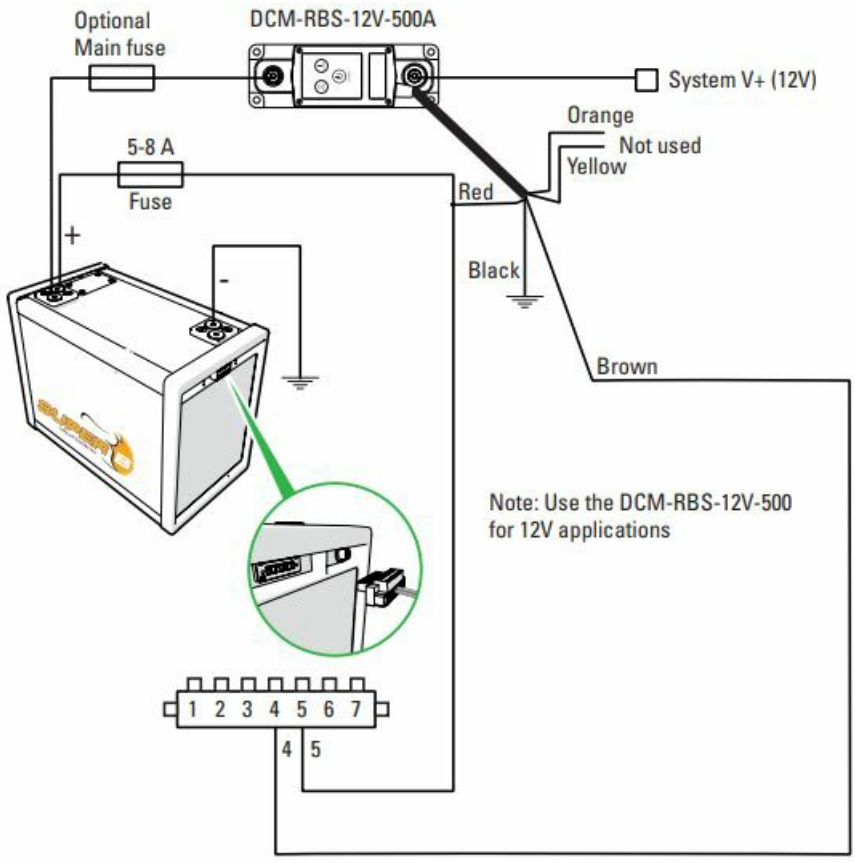
**TBS RBS CONNECTIONS**




**WARNING**

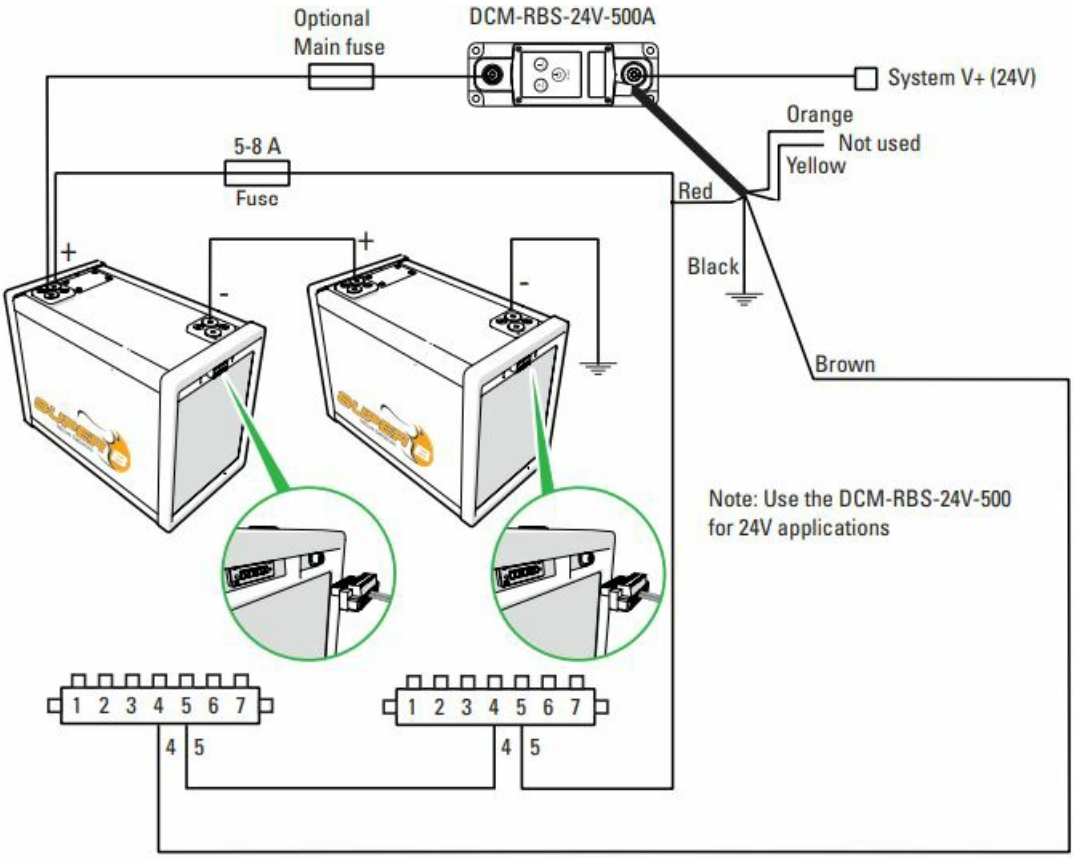
- Always consult the latest manual on the TBS website to be informed about pre-cautions and specifications.
- The TBS relay is delivered default bi-stable mode. Please use the manual to put the relay in mono-stable mode.
- A complete power loss of the system (eg. Fuse blow or wire cut) might cause the TBS relay to stay in the last position since in basics it is a bi-stable relay.
- This means that it might stay on. When replacing the fuse it might lead to the system turning on again leading to an unsafe situation. Please verify if this behavior fits the safety requirements in your system or contact Super B.

## CONNECTING TBS RBS TO A NOMIA BATTERY (12V SYSTEM)




- Consult the Super B Nomia manual for further precautions/specifications and connections.
- In some cases with high system capacity a pre-charge resistor is needed. Please contact Super B when in doubt.
- Always configure the TBS RBS to monostable mode. Please find instructions in the manual. “Change control mode” –> mode 4
- Avoid using the manual control buttons, using manual control to override the batteries relay control can damage the battery (overcharge or deeply discharging)

## CONNECTING TBS RBS TO A NOMIA BATTERY (24V SYSTEM)

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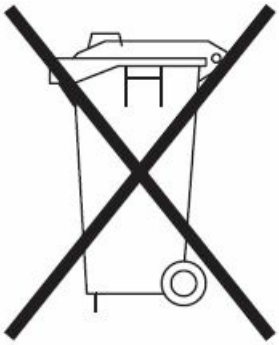

- Europalaan 202 7559 SC Hengelo (Ov) The Netherlands T+31(0)88 00 76 000
- **Contact us:** info@super-b.com
- **Visit our website** www.super-b.com

## Documents / Resources

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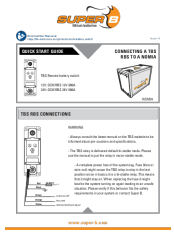
|  | SUPER B TBS RBS To NOMIA Connection [pdf] User Guide<br>DCM RBS 12V-500A, DCM RBS 24V-500A, TBS RBS To NOMIA Connection, NOMIA Connection, Connection |

## References

- Lithium Iron Phosphate Batteries | Super B
- Remote Battery Switch (500A) - TBS Electronics EN