

Remote control engine start/stop

Connector

| | | |
|--------|----------|--|
| Brown | (pin 1) | GND (ground) |
| Blue | (pin 2) | Input signal "engine running" |
| Orange | (pin 3) | Relay 3 no "engine running" signal 24Vdc/1A output (2 seconds delayed) |
| White | (pin 4) | Relay 1 no "engine start" (view schematic) |
| White | (pin 5) | Relay 1 c "engine start" (view schematic) |
| Red | (pin 6) | + 24Vdc power supply |
| Yellow | (pin 7) | Input signal "vehicle running" |
| Black | (pin 8) | Relay 2 nc "engine stop" (view schematic) |
| Green | (pin 9) | Relay 2 c "engine stop" (view schematic) |
| Green | (pin 10) | Relay 2 no "engine stop" (view schematic) |

General description

After switching on the power supply, the internal buzzer sounds (0.1 second).

After pressing a transmitter button, the buzzer sounds (0.1 second) and an output is switched on for a maximum of 5 seconds:

- when blue ("engine running") > 20 Volt, relay 2 is switched on (engine stop).
- when blue ("engine running") < 18 Volt, relay 1 is switched on (engine start).

If the signal "engine running" responds to starting/stopping within 5 seconds, the corresponding relay is switched off immediately. If the signal "engine running" doesn't respond within 5 seconds, the relay will be switched off also.

If during the 5 seconds time that a relay is active, (engine start or stop) a transmitter button is pressed, the relay is switched off immediately and the buzzer sounds twice.

When the signal "vehicle running" > 2 V, the engine cannot be started/stopped. The buzzer sounds 1 second.

Transmitter programming

The remote control comes with a preprogrammed transmitter code.

If a new or different transmitter is to be used with the receiver, this new transmitter code must be programmed into the receiver.

Procedure:

- Press the small button briefly (next to the antenna) until the buzzer sounds;
- Press the (new) transmitter button within 8 seconds (every second the buzzer sounds);
- When the new code is received, the buzzer sounds 3 times (the new code is now programmed). If the programming has not succeeded (in time), the buzzer sounds for 1 second. Repeat the procedure;
- Programming is ready.

Specifications

Power supply (red and brown)

Voltage nom: + 24 Vdc (red +, brown -)

Voltage min: + 10.4 Vdc

Voltage max: + 30.0 Vdc

Current consum.: 6 mA@24Vdc

Input (blue "engine running")

Signal detection: + 5.6...30 Vdc

Input (yellow "vehicle running")

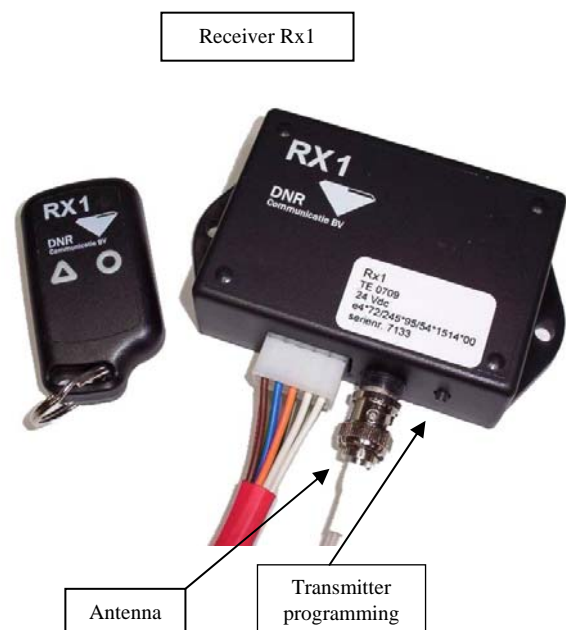
Signal detection: + 2...30 Vdc

Output

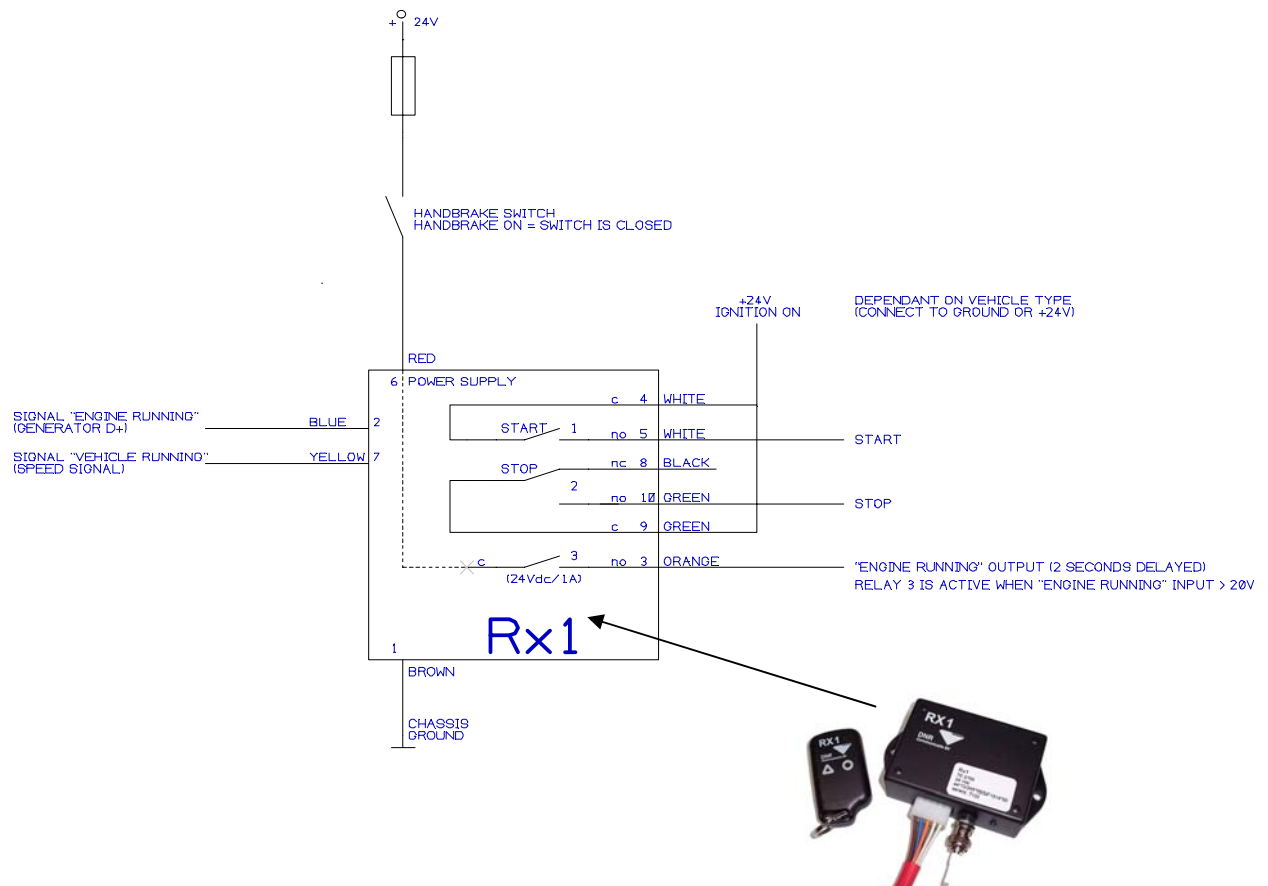
Type: Relay

Protection: none

Current cap.: 1A



Rx1 installation manual



Installing Rx1

Order of connections

- Connect the colored wires to the vehicle system according to the circuit drawing;
- Connect the 10-ways connector to the Rx1 module;
- Connect the aerial (BNC) to the Rx1 module;
- Test the installation (handbrake on, ignition on, press a transmitter button).

Safety

Follow the instructions below:

- To prevent the engine from stopping during driving, the Rx1 power supply must be drawn from the handbrake circuit. When the handbrake is pulled on, the Rx1 will power up.
- The yellow wire must be connected to a "vehicle running" signal. When the vehicle is running, the Rx1 is prevented to switch on its relay no. 1 and 2.
- Position the Rx1 module in the vehicle's cabin under the dashboard, in a dry place.