



## Pandora BT-02 Radio Relay Installation Guide

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### Pandora BT-02 Radio Relay



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## BEFORE STARTING THE INSTALLATION



● **BEFORE STARTING THE INSTALLATION, THE RADIO RELAY MUST BE PAIRED WITH THE SYSTEM, CONFIGURATED AND CHECKED.**

The radio relay is designed for a hidden installation in the interior or engine compartment of a vehicle with on-board voltage of +12V. While installing the relay:

- do not shield the relay (minimum distance of 20 mm between the relay and metal parts);
- provide a rigid fastening to the car body or the fixed wirings (it is forbidden to hide the module in the flexible wiring);
- install the relay in places where there are no any liquids, condensate and high temperatures. The relay must be installed with wires down, each wire must be insulated, excluding the tension of the connection points.

- **WIRE 1 | POWER SUPPLY +12V** — The wire should be connected to a reliable conductor with a constant voltage of +12V.
- **WIRE 2, 3 | IN BT1(-), IN BT2(-)** — the wires of the programmable input channels. They are configured and operate according to the programmed in the system logic. Inputs logic IN BT1, IN BT2 must be assigned in the “Inputs” or “Time channels” menu.
- **WIRE 7 | GROUND (-)** — This wire must be connected to the grounded spot of a vehicle.
- **WIRE 8 | LIN/PROGRAMMABLE channel** — The wire must be connected to the wire 7 during pairing procedure (see “PROGRAMMING” section). It can be used for management of the engine preheater. Go to the “Automatic start”->“Engine preheater”->“Use LIN RHM to control engine preheaters” menu and choose Webasto or Eberspacher option (This setting will also apply to the RHM-03BT module, if installed).
- **WIRES 4/5/6/9/10/11 | CH BLE R1** — the wires of the built-in synhronized relays with two full groups of contacts. The built-in relays are configured and operate according to the programmed in the system logic. Output’s logic BLE R1 must be assigned in the “Outputs” or “Time channels” menu.



● **THE SWITCHING CURRENT OF THE BUILT-IN RELAY SHOULD NOT EXCEED 1A FOR A CONTINUOUS LOAD AND 2A FOR SWITCHING WITHOUT AN INDUCTIVE LOAD.**

Customer support: [support@pandorainfo.com](mailto:support@pandorainfo.com)

Product is in conformity with Electromagnetic Compatibility Directive EMC 2004/108/EC and R&TTE Directive 1999/5/EC



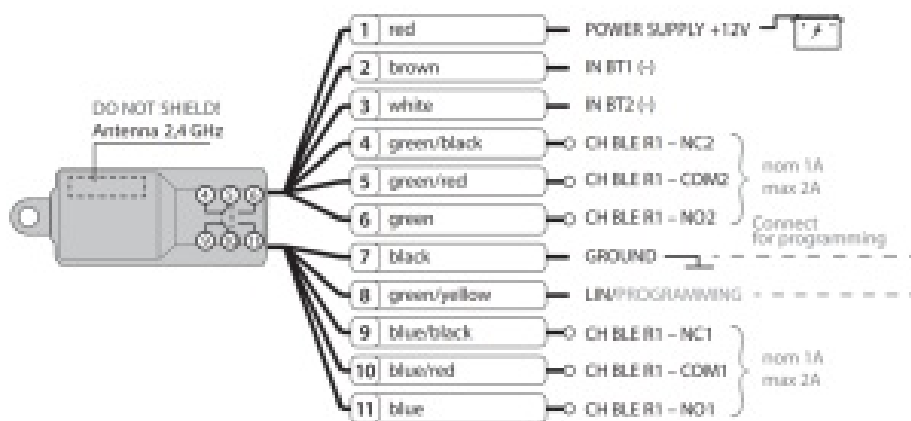
The quality management system of the manufacturer is certified in accordance with IATF 16949: 2016, ISO 9001:2015



Peripheral device, designed to expand the functional of the Pandora security system. It has a digital control channel for a Webasto Thermo Top Evo and Eberspacher Hydronic 1/2/3 engine heaters, two programmable inputs and a programmable relay.

## COMPATIBILITY

The BT-02 is fully compatible with Pandora security systems with Bluetooth modem firmware v4.11 and higher: Pandora Elite v.2, Pandora Smart Pro v.3.



## SPECIFICATION

Nominal voltage:	+12V
Current consumption of the relay:	<1mA
Switching current of the built-in relay:	min 10mA, nom 1A, max 2A
2,4 GHz radio protocol:	Bluetooth 4.2 Low Energy
Degree of protection:	IP64
Operating temperatures:	from -40°C to +85°C
Dimensions:	34x16x9

## PROGRAMMING

1. Enter the programming level 10.7 (see “Programming table” section of the system manual) or use the “Pairing” function in the Pandora Specialist mobile app (go to “Advanced mounting”-> “Bluetooth”-> “Pairing, unpairing devices”).
2. Connect the wire 1 (red) to a reliable +12V power supply.
3. Connect the wire 7 (black) with the wire 8 (green/yellow). Connect them to the grounded spot of a vehicle.
4. The Siren/Beeper will confirm successful pairing by a sound signal.

5. Disconnect the wire 8 (green/yellow), insulate all unused wires.

**Documents / Resources**

	<p><a href="#">Pandora BT-02 Radio Relay</a> [pdf] Installation Guide BT-02, Radio Relay, BT-02 Radio Relay</p>
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