

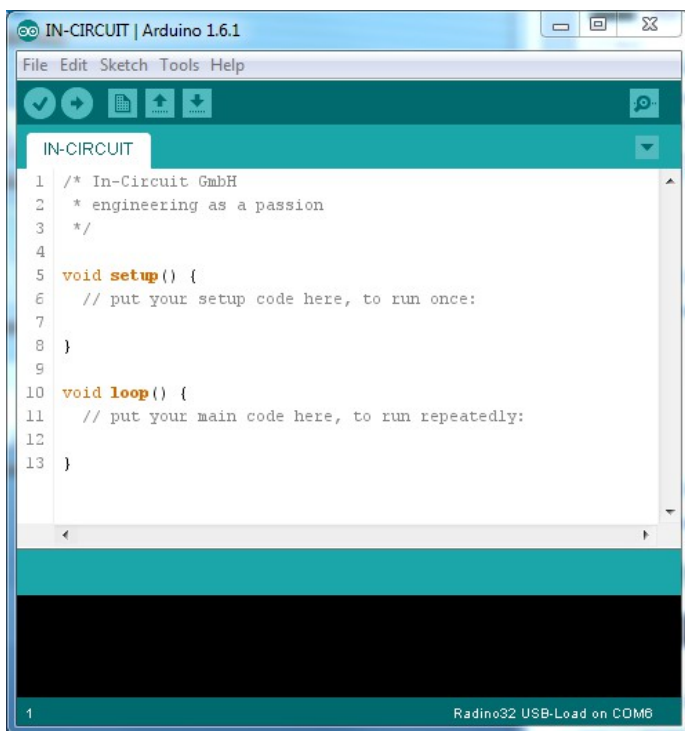
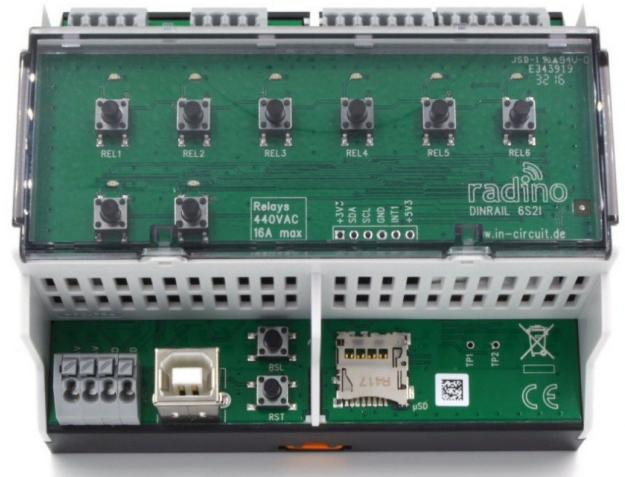
radino DINRAIL 6S2I

The In-Circuit **radino** DINRAIL 6S2I is a six relay module for DIN rail based on the In-Circuit **radino**-series.

All six relays, the two digital inputs and the two configure buttons are free programmable with the Arduino IDE by using the In-Circuit **radino** library.

The **radino** DINRAIL 6S2I comes with a preinstalled **radino 32** Wifi.

radino

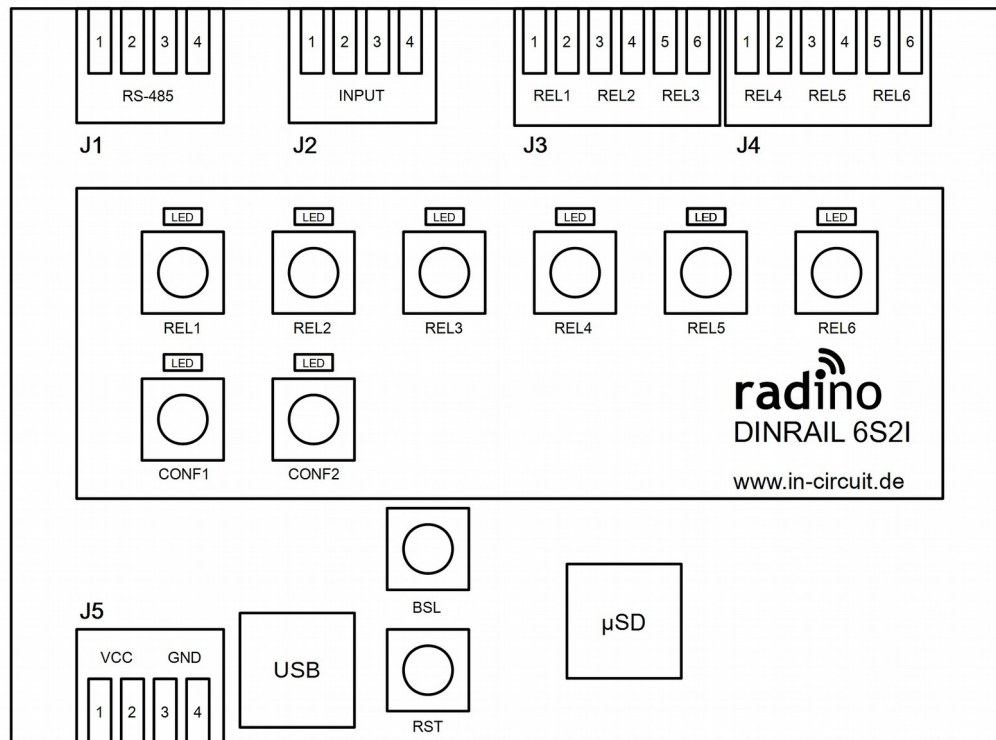


Features

- Arduino compatible
- Six relay outputs (440 VAC 16A max)
- Eight user configurable buttons
(six switching relays manually at default)
- Eight user configurable leds
(showing pressed buttons at default)
- Two digital inputs
- RS-485 for external communication
- MicroSD card connector
- USB-B Port for programming
- DIN rail enclosure: 6 pitch unit (div)
- Input Voltage: 24 V DC

For more information visit: <http://www.in-circuit.de/>
<http://www.radino.cc/>

Pinout and buttons



J1	Description
1	not connected
2	RS485 B
3	RS485 A
4	GND

J2	Description
1	CH1
2	GND
3	CH2
4	GND

J5	Description
1	24 V Input
2	24 V Input
3	GND
4	GND

J3	Description
1	REL1 COM
2	REL1 NO
3	REL2 COM
4	REL2 NO
5	REL3 COM
6	REL3 NO

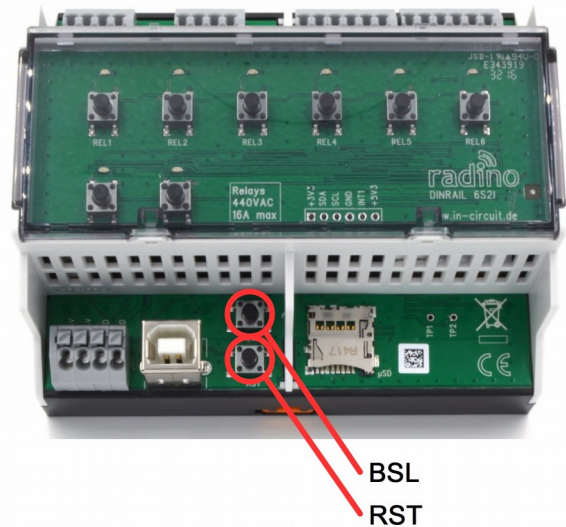
J4	Description
1	REL4 COM
2	REL4 NO
3	REL5 COM
4	REL5 NO
5	REL6 COM
6	REL6 NO

Button	Description
REL1	manual switch relay 1
REL2	manual switch relay 2
REL3	manual switch relay 3
REL4	manual switch relay 4
REL5	manual switch relay 5
REL6	manual switch relay 6
CONF1	configurable button 1
CONF2	configurable button 1
BSL	boot select button
RST	reset button

Program

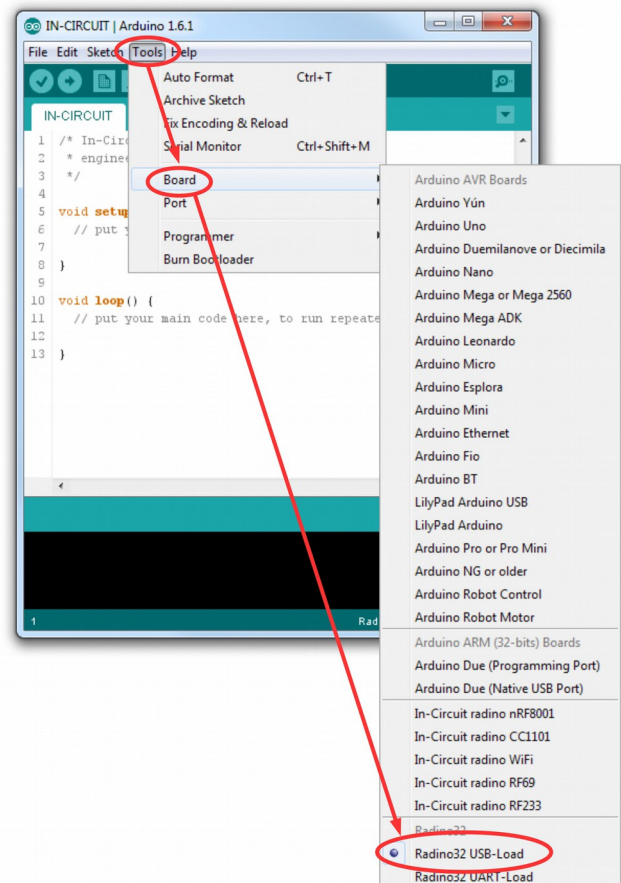
Starting the **radino** DINRAIL 6S2I bootloader

- Apply supply voltage
- Press and hold BSL (boot select) and RST (reset) button
- Release RST button
- Release BSL button



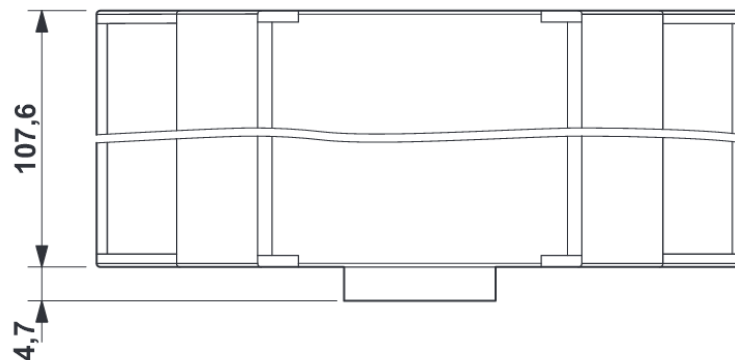
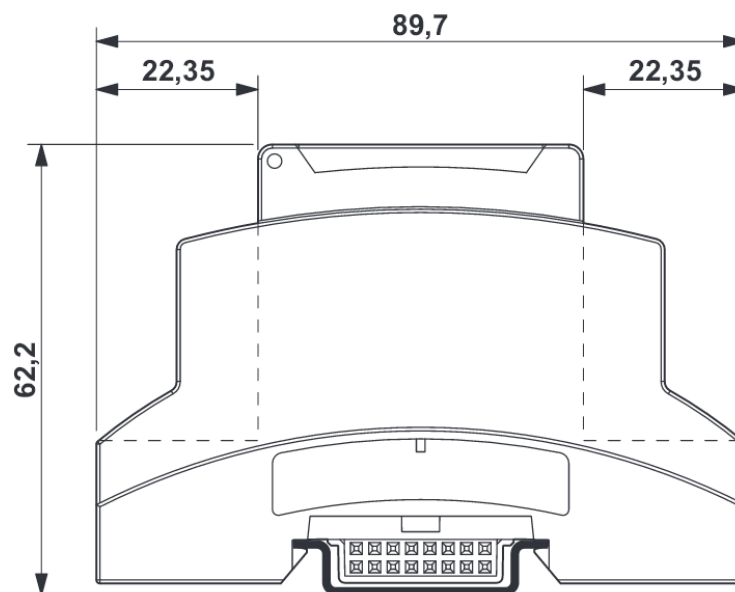
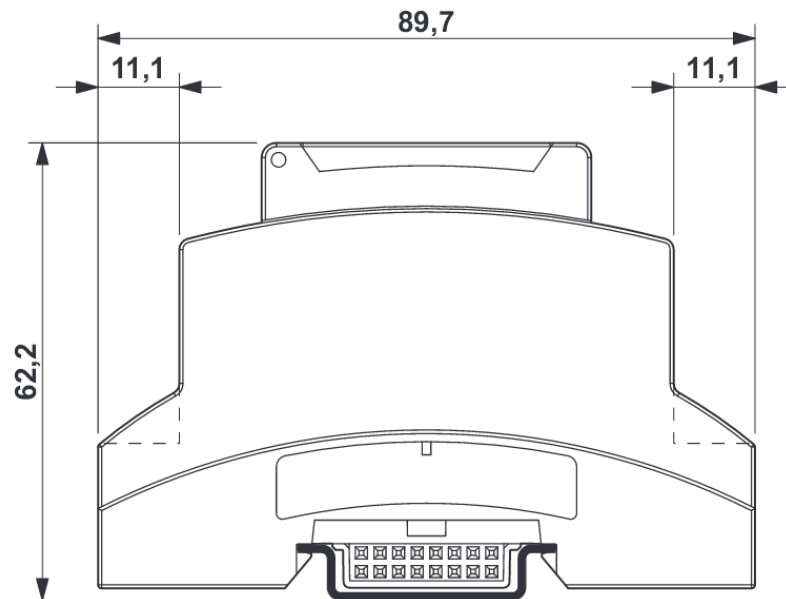
Starting Arduino IDE version 1.6.0 or 1.6.1 with the **radino** library

- Select “radino32 USB-Load” under “Tools → Board”
- Start **radino** DINRAIL 6S2I to bootloader
- Press the “Verify” button in the Arduino IDE to compile
- Press the “Upload” button to start flashing the **radino** DINRAIL 6S2I



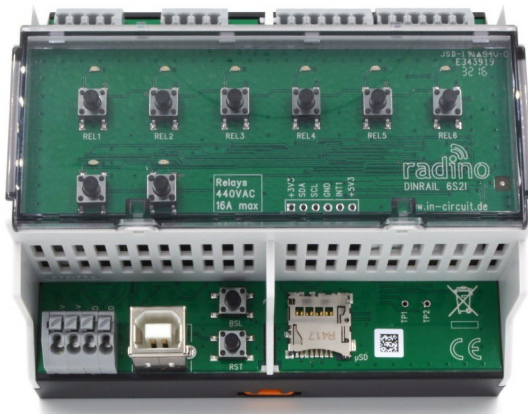
Start the running mode by pressing the reset button of the **radino** DINRAIL 6S2I

Mechanical dimensions

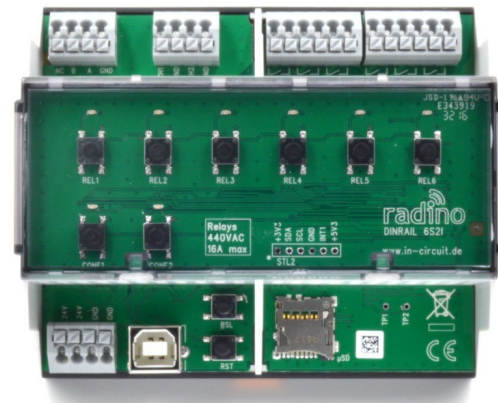


Gallery

Top view 1



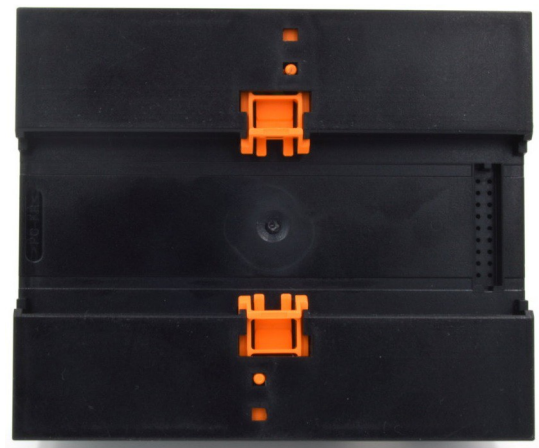
Top view 2



Side view



Bottom view

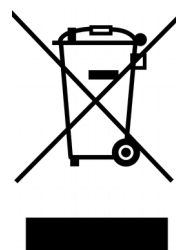


Ordering Information

Part	Ordering Code	MOQ	Package
radino DINRAIL 6S2I	901.452	1	Single device in anti-static bubble bag

RoHS / WEEE compliant

WEEE-Reg.-Nr. DE 17225017



Version	Date	Changes	Editor
A	2016/08/25		Grünig