

## Product description

for

### PAG Transmitter – RKE +Kessy

#### Content

1	General overview .....	1
2	Pictures of PCB-assy (manufactured by Continental).....	2
3	Pictures of PAG-Transmitter (assembled by Huf).....	2
4	Block diagram and main electronic components .....	3
5	Variants und part numbers .....	4

#### 1 General Overview

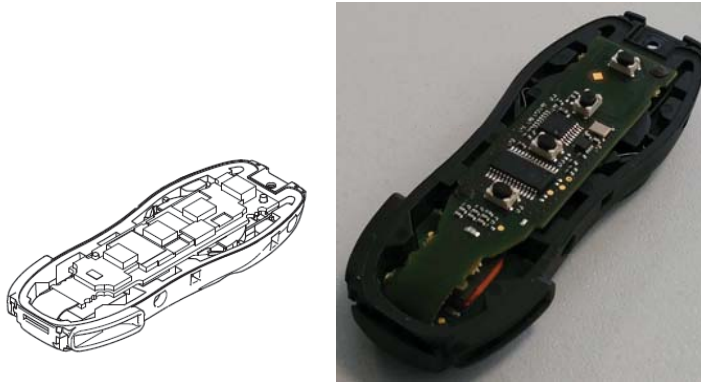
The PAG (PAG = Porsche AG) Transmitter RKE (Remote Keyless Entry) + Kessy produced by Continental AG is an electronic car key for remote control access via button press in Porsche motor vehicles, with the additional function of bidirectional access authorization (via LF communication). With this system, the key no longer has to be actively activated by button press in order to open the vehicle.

There are several variants with different radio frequencies, depending on the destination country and market.

The PAG-Transmitter RKE + Kessy consists of the populated PCB integrated in the lower housing, manufactured by Continental Temic Automotive (Phils.) Inc., Baksakan Road, FTI Estate Taguig, 1630 Manila, Philippines and is delivered to company Huf, Hüsbeck & Fürst GmbH & Co. KG, Steeger Straße 17 (Huf Hauptfirmensitz), 52551 Velbert, Germany.

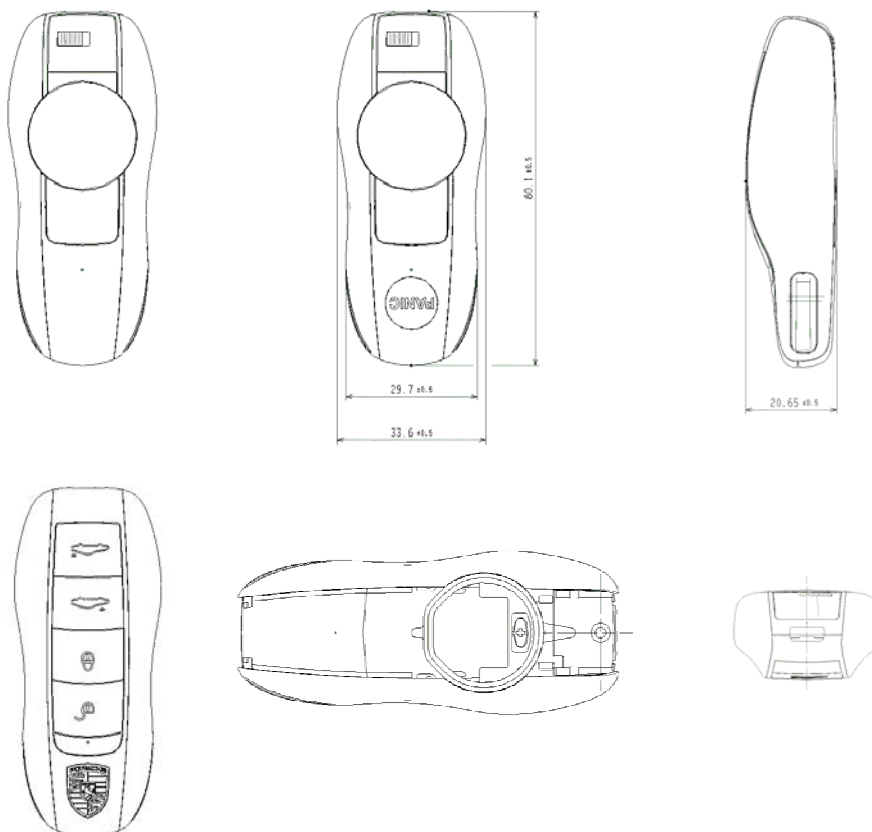
The PCBs are then assembled with other plastic components in order to complete the PAG Transmitter and delivered to Porsche AG.

**2 Picture of PCB-assy (manufactured by Continental)**



PAG-Sender RKE + Kessy

**3 Picture of PAG-Transmitter (assembled by Huf)**





Top view of Transmitter (number of buttons can vary: 3/4)



Bottom view of Transmitter 315MHz variant



Bottom view of Transmitter 433/434MHz variant



View of PCB (315 and 433/434MHz variants)

- **Two-Chip Solution:** Micro-controller with Immobilizer-Interface and LF-Frontend (PCF7953) and Quartz-PLL (PCF7900)
- **RF-Parameter:** 315 MHz for USA  
315 MHz for Japan  
433,92 MHz for Korea  
434,42 MHz for Europa  
ASK-Modulation
- **Voltage supply:** Battery 1 x CR2032 (Lithium Standard-Batterie; Capacity ca. 230 mAh)
- **Immobilizer-Interface:** AES Philips-Transponder family
- **Buttons (switches):** ALPS SKRPADE010  
Panic button: ALPS SKRBACE010
- **LF-Frontend:** Inside/Outside detection via LF-field strength measurement  
Frequency: 125kHz  
ASK-Modulation 3,9 kBaud

The frequency is selected through the SW at EOL (End Of Line).

## 5 Variants and part numbers

Variant	Porsche part number	Continental part number	Product reference
Transmitter Keyless 315 MHz with Panic	970 637 347 xx	A2.C762-9820-2-00	PAG-KEY-315-180528
Transmitter Keyless 315 MHz without Panic	970 637 348 xx	A2.C762-9840-2-00	PAG-KEY-315-180528
Transmitter Keyless 433.92 MHz	970 637 346 xx	A2.C762-9830-2-00	PAG-KEY-433-180528
Transmitter Keyless 434.42 MHz	970 637 350 xx	A2.C762-9850-2-00	PAG-KEY-434-180528

xx: Development-Index digits

**Owner Manual USA:**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Owner Manual Canada:**

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.