

# Low Noise Kit UTY-LNKIT

## Safety precautions!

- The installation of this equipment should be only done by experienced and qualified personal!
- Before you start the installation please take care to switch off the power supply of the heat pump and secure it for turning the power supply on again!
- Please follow the local regulations of your country regarding the installation of electrical equipment!



Attention: Non compliance with a rule for electrical safety can lead to electrical shock! (Danger of life!)



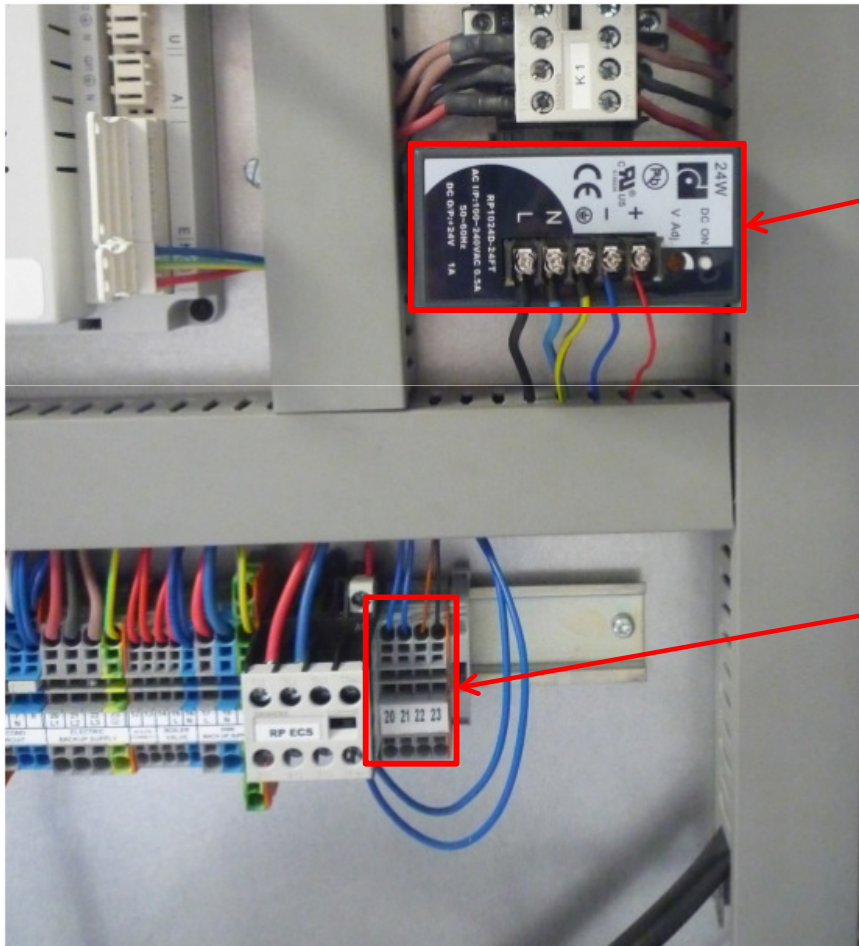
Attention: After turning off the power supply the circuit boards of the outdoor unit will keep high voltage for a certain time because of the capacitors. Wait approx. 5min. After turning off the power supply until the capacitors are discharged! (Danger of life!)

# Low Noise Kit UTY-LNKIT

## Partslist and description ( )

- 1 x (A) AC / DC power supply adaptor type DRP-024D-24F for rail mounting
- 4 x (B) Wago railterminal (grey)
- 1 x (C) Wago endcover for railterminal
- 1 x (D) JST-connector with 25m 3 core wire for connection to CN19 at outdoor unit
- 1 x (E) 30 cm wire 1,5mm<sup>2</sup> brown with end splice
- 1 x (F) 30 cm wire 1,5mm<sup>2</sup> blue with end splice
- 1 x (G) 30 cm wire 1,5mm<sup>2</sup> green/yellow with end splice
- 1 x (H) 15 cm wire 0,5mm<sup>2</sup> blue with 2200 Ohm fixed resistance
- 1 x (I) sticker for Wago connection terminals

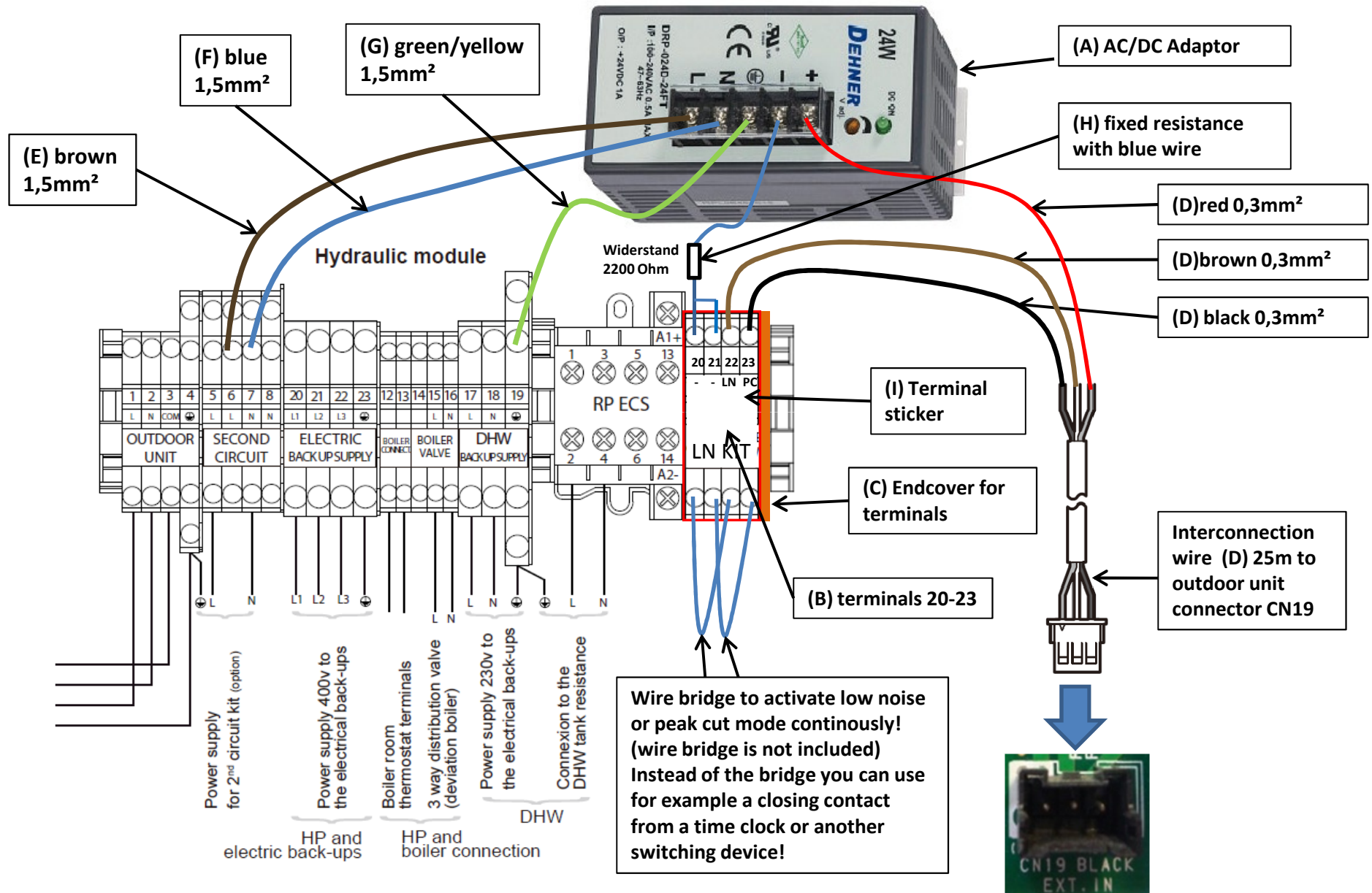
# Installation picture Low Noise Kit UTY-LNKIT at indoor unit



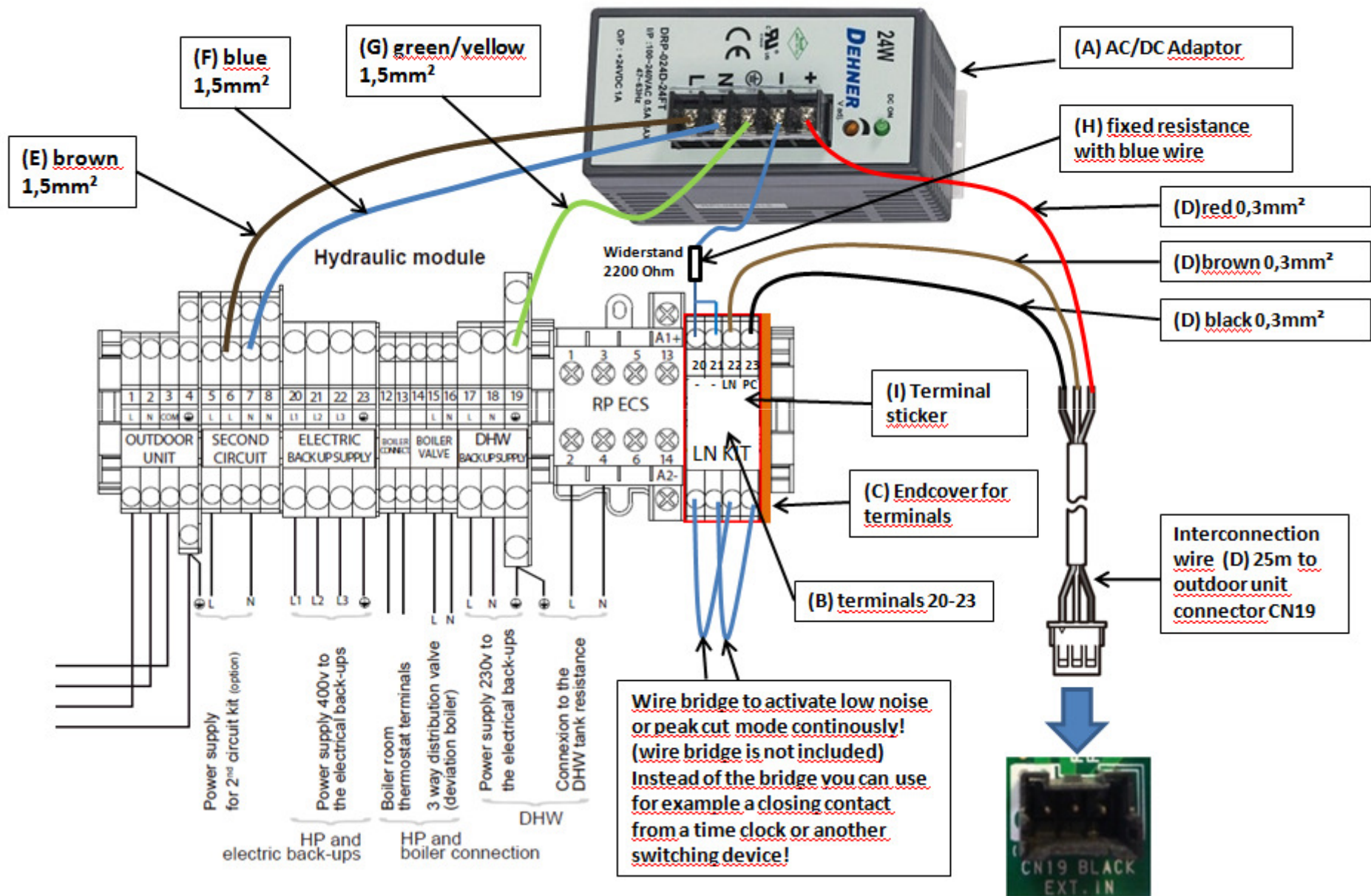
Installation position of AC/DC adaptor (A) mounted on the rail at indoor unit

Installation position of Wago rail terminals (B), endcover (C) and sticker (I) at indoor unit

# Connection scheme Low Noise Kit



# Connection scheme Low Noise Kit



# Connection scheme in words

## 230V AC Power supply to the AC/DC adaptor (A)

- (E) brown wire 1,5mm<sup>2</sup> with end splice for interconnection in between terminal L at AC/DC adaptor and rail terminal 6 (second circuit).
- (F) blue wire 1,5mm<sup>2</sup> with end splice for interconnection in between terminal N at AC/DC adaptor and rail terminal 7 (second circuit).
- (G) green/yellow wire 1,5mm<sup>2</sup> with end splice for interconnection in between GND rail terminal 19 (DHW Backup Supply) and GND connection at AC/DC adaptor.

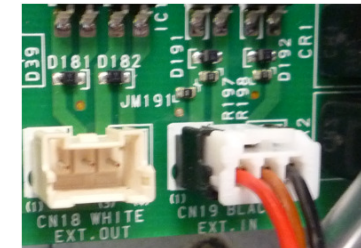
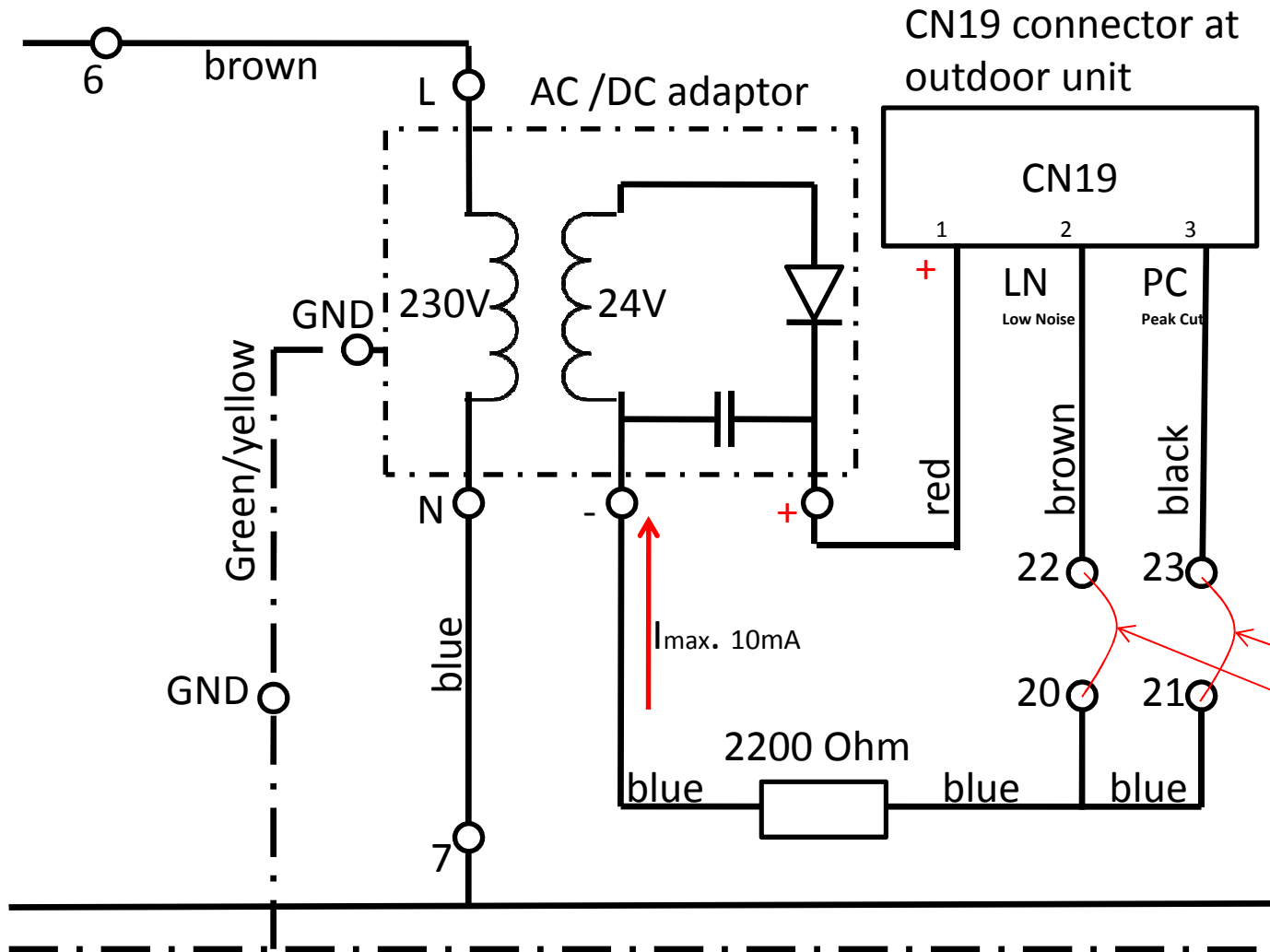
## 24V DC Power supply AC/DC adaptor to outdoor unit connector CN19

- (H) blue wire 0,5mm<sup>2</sup> with end splice and 2200 Ohm fixed resistance for interconnection in between terminal - at AC/DC adaptor and terminal 20 und 21.
- (D) red core wire from 25m 3 core extension wire from outdoor unit connector CN19 to terminal + at AC/DC adaptor indoor unit
- (D) brown core wire from 25m 3 core extension wire from outdoor unit connector CN19 to terminal 22 at indoor unit
- (D) black core wire from 25m 3 core extension wire from outdoor unit connector CN19 to terminal 23 at indoor unit

## Activation of Low Noise Mode or Peak Cut Mode

- (B) By interconnection of rail terminal 20 und 22 by using a bridge wire, Low Noise Mode is permanently activated. By using a time clock closing contact instead of the bridge wire the low noise mode can be switched in dependence on the day time. (bridge wire and time clock are not included)
- (B) By interconnection of rail terminal 21 und 23 by using a bridge wire, Peak Cut Mode is permanently activated. Also an external switch device can be use instead of the bridge wire to control the peak cut activation!
- Low Noise and Peak Cut Mode can be used simultaneously!

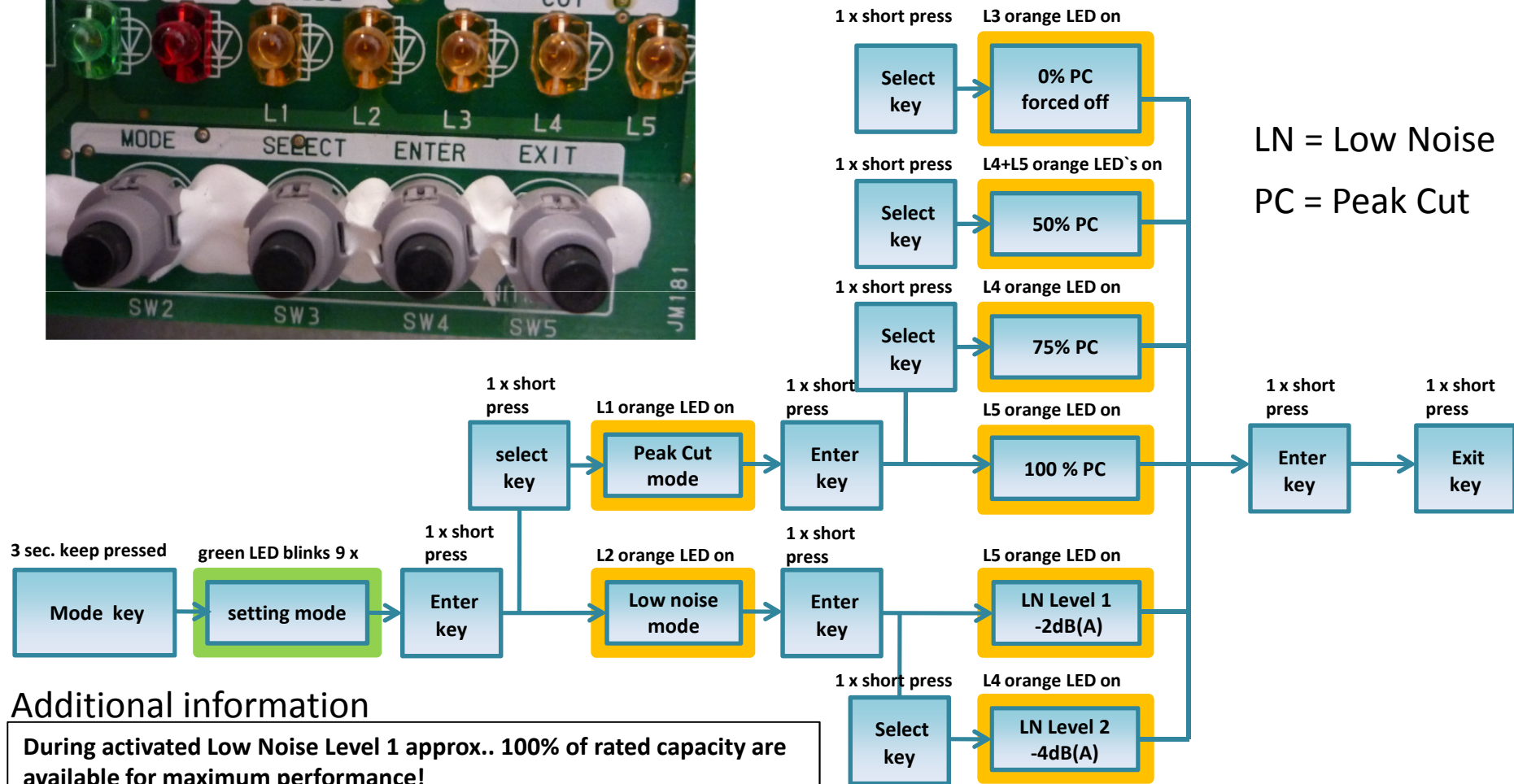
# Wiring scheme Low Noise Kit UTY-LNKIT



Wire bridge to activate low noise or peak cut mode continuously! (wire bridge is not included) Instead of the wire bridge you can use for example a closing contact from a time clock or another switching device!

# Outdoor unit settings

Before the low noise or peak cut mode can be used, some settings for the required level may be done!  
The chart below describes the way how to adjust the settings!



LN = Low Noise  
PC = Peak Cut

## Additional information

During activated Low Noise Level 1 approx.. 100% of rated capacity are available for maximum performance!  
During activated Low Noise Level 2 approx. 70% of rated capacity are available for maximum performance!



# LED indication at outdoor unit when low noise or peak cut mode is activated

PC = Peak Cut



0% PC activated	Power/Mode green LED + L3	lights up
50% PC activated	Power/Mode green LED + L4+L5	lights up
75% PC activated	Power/Mode green LED + L4	lights up
100 % PC activated	Power/Mode green LED + L5	lights up

LN = Low Noise



LN-Level 1 -2dB(A) activated	Power/Mode green LED + L2	lights up
LN-Level 2 -4dB(A) activated	Power/Mode green LED + L1	lights up