

# danita<sup>®</sup> APA101

## SUPERGUARD

### Alarm system

Brugsanvisning  
User Manual  
Gebrauchsanleitung



danita<sup>®</sup>



Item No. 70000

User manual © 2017 Midtkom ApS

#### DK Brugsanvisning

##### Generelt:

danita APA-101 er et pager system, der kan benyttes som både kalde og alarm-system, som består af en sender med antenne og en modtager. Der kan overføres 4 forskellige alarmer, så man direkte på modtageren kan se, hvor alarmen kommer fra. Alt efter montering kan du, se om det er en dør eller motorhjælmen, der bliver åbnet i bilen. I hjemmet kan du se, hvilken dør der åbnes, og på kontoret kan du se hvilket lokale du skal gå til, når du bliver kaldt. Det er kun fantasien, der sætter grænser for brugsmulighederne.

##### Sender:

Ledningsforbindelse samt alarmkodning (trigning):

1. Rød + 12 ~ 24 VDC +/- 20% (+ trig forbindes til + for alarm)
2. Sort - (Stel) (- trig forbindes til stel for alarm )
3. Brun - trig. Grønt lys på modtager.
4. Grå - trig. Rødt lys på modtager.
5. Hvid IGN. Tilsluttes til + DCV og senderen blokeres. Efter tilslutning tager det 30 sekunder før trig-indgangene er aktive igen.
6. Blå + trig. Gult lys på modtager.
7. Grøn - trig. Gult lys på modtager
8. Gul -trig. Løbende lys. Gul, grøn og rød.
- 9 + 10. Orange. Uden for senderens rækkevidde. Giver hurtigt skift mellem rødt og grønt lys. Husk at sætte modtager op til samme mode. Leveres som standard pager, ledningen er intakt. Klippes over, hvis "Out Of Range" alarm ønskes.

Trykknop på senderen giver løbe-lys

Monter den medfølgende antenne i SMA stikket. Må ikke sidde for tæt på metal, da rækkevidden derved forringes.

Strømforsyningslys Grøn.

Yderligere 3,5 mm stik til valgfri strømkilde og sensor.

## Technical Specifications

### Transmitter:

Frequency	433.920 MHz
Transmitter power	10 mW
Modulation	FM
Antenna impedance	50 Ohm
Antenna connector	SMA
Operating Volt	12-24 VDC
Current drain	70mA in standby, 300mA when transmit
Transmitting time	8 sec.
Temperature	-30 °C to +60 °C
Dimension	50x70x24 mm

### Receiver:

Battery type	Li-Ion 3.7V 1400 mAh
Current drain	5mA in standby, 150mA when alarm
Temperature	-10 °C to +50 °C
Dimension	50x70x24 mm
Weight	72 grams

#### Vigtigt!

Apparatet må ikke smides væk i den daglige renovation, men bortskaffes på en forsvarlig måde. F.eks. på en genbrugsstation



#### Important!

The device is not to be discarded through regular waste disposal. Instead, please dispose of it in a responsible manner, e.g. at a recycling centre.

#### Achtung!

Das Gerät darf nicht durch die tägliche Müllabfuhr weggeschmissen werden. Entsorgen Sie es bitte lieber auf eine verantwortliche Weise, z.B. an der lokalen Sammelstelle.

## Declaration of Conformity

We, Midtkom ApS. (DK-8800 Viborg Denmark) declare on our responsibility that this equipment complies with the essential requirements of the Radio Equipment Directive (RED) 2014/53/EU, and that all Essential Test Suite measurements have been performed.

Kind of Equipment : PAGER SYSTEM

Type-Designation : APA-101

Version (where applicable) :

This compliance is based on conformity with the following standards, specifications or documents :

Safety: EN60950-1:2006+A11:2009+A1:2010+A12:2011+A2

Health: EN62479:2010

EMC: Draft EN301489-1 V2.2.0; Draft EN301489-3 V2.1.1

RF: EN 300 220-1 V3.1.1; EN 300 220-2 V3.1.1

Benny Jacobson / Director

Dated on Jan. , 2018

## UK User Manual

### In General:

danita APA-101 is an advanced pager system to be used both as a calling system and an alarm system. The system consists of a transmitter with an antenna and a receiver.

Four different indications can be transmitted. Thus it will be possible to read directly from the receiver where the signals comes from. Depending on the mounting you may e.g. be able to see if it is a door or the bonnet which is being opened. In your home you can see which door is opened and at the office you can see which room you will have to go to when you are called for. Only your fantasy will set the limits to the possibilities of applications.

One receiver can catch a call from four transmitters at each different location. There is four channels to extend use.

### Transmitter:

Wire connection and alarm call coding (triggering):

1. Red + 12 ~ 24 VDC +/- 20% (+ trig connect to + for action)
2. Black - (Chassis) (- trig connect to - for action)
3. Brown - trig. Green light at the receiver.
4. Grey - trig. Red light at the receiver.
5. White IGN. If connect to + DCV the transmitter is blocked.  
After removing it takes 30 seconds before trig is active again.
6. Blue + trig. Yellow light at the receiver.
7. Green - trig. Yellow light at the receiver.
8. Yellow -trig. Alternating light. Yellow, green and red.
- 9 + 10. Orange. Out of range alarm. Gives quick shift with red and green light. Attention: Set the receiver up for same mode.  
Comes from factory in standard mode. Orange wire is intact.  
If "Out Of Range" wanted, cut the orange wire.

Push reset knob on the transmitter gives alternating light.

Mount the antenna to the SMA connector. The antenna should not be mounted close to metal, as it will limit the transmitting range

Power supplying lights Green.

Additional 3.5mm plug for optional power source and sensor.

### Receiver:

Contains Li-Ion battery in the receiver.

Charge battery by 5pin micro USB charger before use.

Red lights in charging, Green lights in completion.

2 green light and beep sound means the battery level is low.

### On/Off/Reset knob at the side of the receiver:

Upper position: On + Beep and light.

Middle position: On + Vibration and light.

Lower position: Off

Press the knob: Show last alarm. Next press reset the alarm.

When On show 3 red flash. If nothing more happens it is in standard mode.

If red and green light is added, the receiver is in Out Of Range mode.

When an alarm is received, the code of the transmitter (triggering) is shown

for eight seconds. After these eight seconds, the receiver gives a short

indication every eight second, until the reset knob has been activated.

Press two times and the receiver is reset.

### Channel (CH1~CH4) / Transmitter's location ID (TX1~TX4) setting

Transmitter and receiver's back has a hole to set both channel and transmitter location ID.

Frequency of Channels : CH 1 (433.920 MHz – factory default)

Transmitter's location ID and lighting on receiver : TX 1 (No light)

TX 2 (Green light)

TX 3 (Red light)

TX 4 (Orange light)

### Setting on Transmitter

There is four switches on back.

First two switches are for Channel setting, last two switches are for TX location setting.

Channel TX location



Channel switch setting (CH1 ~ CH4)



TX location ID setting (TX1 ~ TX4)



### Tænd/sluk/reset knap på siden af apparatet:

- Øverste position: On + Lyd og lys.
- Mellemste position: On + Vibrator og lys.
- Nederste position: Off
- Tryk på knappen: Vis sidste alarm. Næste tryk nulstil alarmeren.

Tryk på knap: Visning af sidste alarm. Samt reset af denne.  
Ved tænd vises 3 røde blink. Sker der ikke mere, er den i standard mode, vises rød og grøn blink herefter, er modtageren i "out of range" mode.  
Ved modtagning af alarmopkald vises senderens kodning (trigning) i 8 sek. Efter de 8 sek., giver modtageren en kort indikation hvert 8 sek., indtil reset  
Knappen aktiveres første gang. Ved 2 tryk resettes modtageren.

### Kanal (CH1~CH4) / Transmitterens placering ID (TX1~TX4) indstilling

Senderen og modtagerens bagside har et hul, for at indstille både kanal og transmitterens lokaliserings ID.

Frekvens af kanaler: CH 1 (433.920 MHz - fabriksstandard)

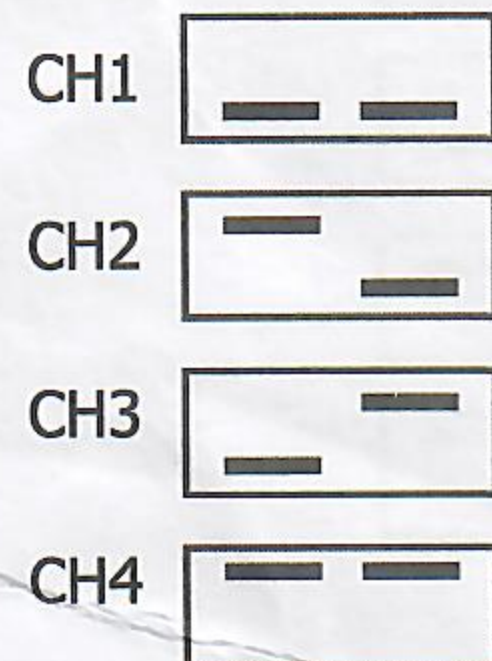
- Senderens ID og belysning på modtager :
- TX 1 (Ingen lys)
  - TX 2 (grønt lys)
  - TX 3 (rødt lys)
  - TX 4 (orange lys)

### Indstilling på sender

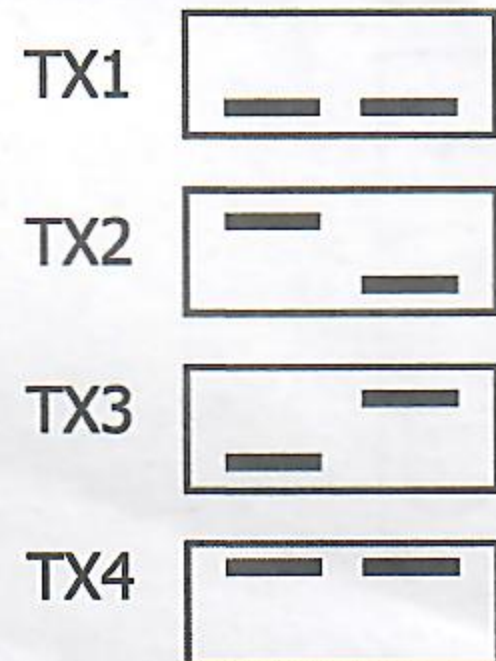
Der er fire kontakter på bagsiden.  
De to første afbrydere er til kanalindstilling, de sidste to kontakter er til indstilling af TX-lokaliserings ID.



Channel switch setting (CH1 ~ CH4)



TX location ID setting (TX1 ~ TX4)



### Indstilling på modtager

Der er to kontakter på bagsiden til fire kanaler.  
Kanalafbryderindstillingen er den samme som transmitterens måde.

### Kodning af ekstra modtager:

- I tilfælde af, at der anskaffes en ny modtager, skal denne kodes op til senderen.
1. Hold tænd/sluk knappen på modtageren inde, mens modtageren tændes. 3 blink samt lyd eller vibrator fremkommer. Derefter blinker apparatet hurtigt i 5 sek.
  2. Når apparatet blinker hurtigt, slippes reset knappen.
  3. Tryk 3 gange på reset knappen, inden for de 5 sek. hvor modtageren blinker hurtigt.
  4. Rød lampe lyser nu konstant.
  5. Inden for 10 sek. skal der foretages et opkald fra senderen (trigning)
  6. Hvis kodningen lykkes, vises senderens alarm. Ellers kommer en grøn alarm for fejl.

### Kodning: Standard eller "Out Of Range"-funktion.

Tænd modtager og hold tænd/sluk knappen nede samtidig. 3 røde blink. Derefter blinkes hurtigere rødt. Tryk 3 gange på reset. Rødt lys konstant 10 sek., til grønt lys tændes og slukkes igen, nu blinkes der rødt hurtigt 3 gange, og modtageren viser nuværende tilstand.  
Standard: Ingen lys. "Out Of Range": Grønt og rødt lys.  
(Samme procedure, men hver anden gang skiftes funktionen)

**Setting on Receiver**

There is two switches on back for four channels setting.  
Channel switch setting is same as the way of transmitter.

**Coding of extra receiver:**

In case a new receiver is bought, it has to be coded to the transmitter.

1. Press down the reset button, when the receiver is pushed On. Three flashes and sound or vibration will occur. Then the receiver will flash quickly for five seconds.
2. When the receiver flashes quickly, release the reset knob.
3. Press down three times on the reset knob within the five seconds during which the receiver flashes quickly.
4. Red light lights up permanently.
5. Within ten seconds, a call from the transmitter (trigging) shall be made.
6. If successful, the alarm from the transmitter is shown. If the coding fails, green light is shown for one second.

**Coding: Standard or Out Of Range -mode.**

Press down the reset knob and turn on the receiver at the same time, until three red lights have been shown. Now red light flashes quickly. Press three times on reset knob. The red light continues, wait for ten seconds till the green light has been shown. Now red light flashes quickly again. Press three times at the reset knob and the receiver shows the mode. If standard mode: No light. If "Out Of Range": Green and red light is shown.  
(Same procedure, but each second time it shifts mode)