

# Digital black, 24 V

## Description

Digital black is a completely customisable control screen for Niko Home Control with an extremely user-friendly interface featuring clear symbols. The screen is automatically activated when your hand comes near. That way, you can switch or dim your lights, set moods, set ventilation modes, adjust blinds and sun blinds to the desired position, in one operation. In short, all possible Niko Home Control control types are available.

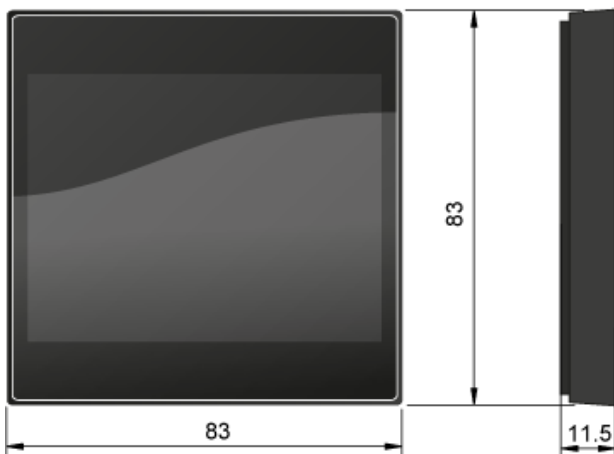
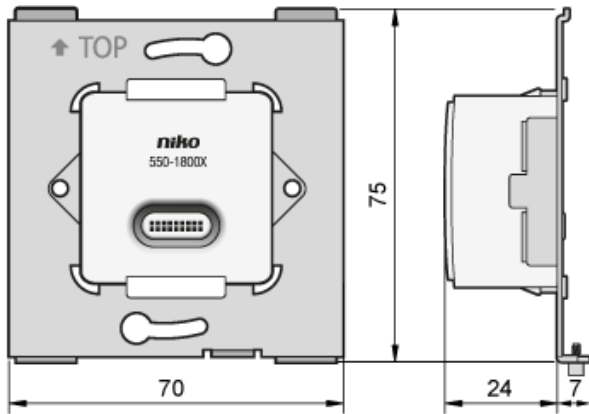
As this Digital black 24V variant is equipped with a temperature sensor and algorithm, it can be programmed as a zone-thermostat when linked to a Niko Home Control heating or cooling module (550-00150) or switching module ([550-00103](#) or [550-00106](#)) programmed for electrical heating. When the Digital black is used as a thermostat, you define the set points and week programs in the Niko Home app.

## Overview



550-1800x

## Dimensions



## Required parts

A complete Digital black, 24 V consists of the following parts:

- Digital black, 24 Vdc, claw fixing [550-18000](#)  
or
- Digital black, 24 Vdc, screw fixing [550-18001](#)

## Usage

- The Digital black, 24 V can be used to control actions and routines programmed in your Niko Home Control installation on both bus wiring or traditional wiring systems.
- The Digital black can visualise up to 12 controls.

The Digital black, 24 V supports the following controls:

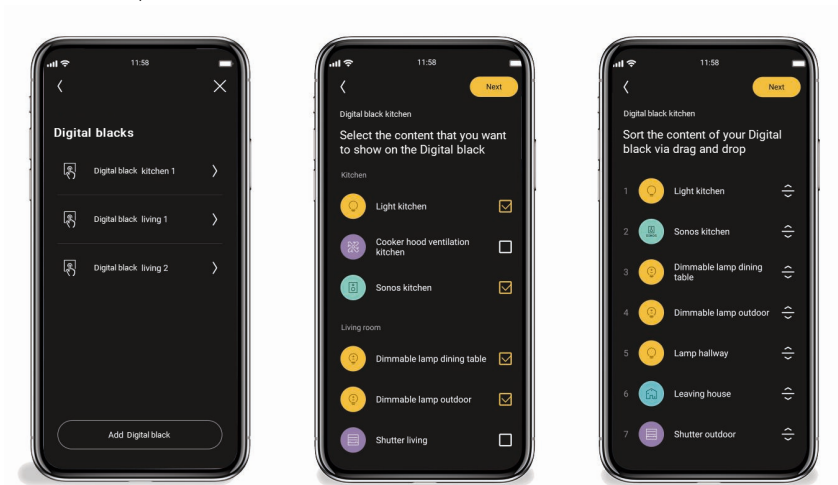
- On/off
- Dimming
- Blinds, shutters and stores
- Ventilation
- Audio
- Moods
- Temperature visualisation for the Niko Home Control thermostat (550-13050) on bus wiring. The Digital black only shows the control and is not using its built-in sensor and algorithm part. To use Digital black as a zone thermostat see the [Thermostat function](#) page.
- Reynaers sliding window control (for Niko Home Control installation with connected controller)
- Velux window control (for Niko Home Control installation with connected controller)

## Control

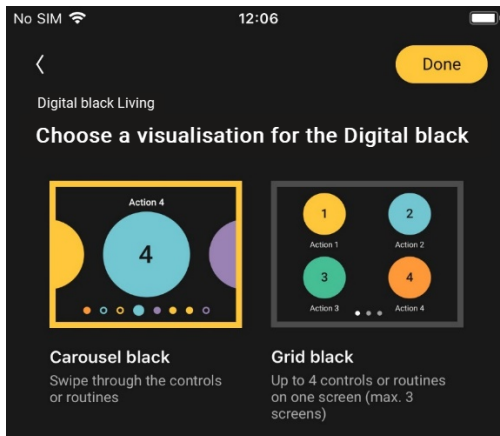


With the Niko home app you can do the following:

- You can select, edit and re-order controls



- You can visualise up to 12 controls.
- You can change the visualisation of the controls. Currently, 2 views are supported:
  - Carousel view
  - Grid view



## Known limitations

It is currently not possible yet to show the temperature interface for 3rd party heating systems (Generic heating API) on the Digital black, 24 V. Niko works on a solution and will update this page as soon as it is available.

## Specifications

Specification	Value
Article number	550-1800x
Power supply	24 Vdc (SELV)
Maximum power consumption	5.5 W
Power consumption (standby)	1 W
Mounting method	Wall flush-mounting, screw or claw
Mounting height	110 - 160 cm
Weight	70 g
Ambient temperature	0 – 40 °C
Dimensions (HxWxD) (mechanism)	75 x 70 x 23.6 mm
Dimensions (HxWxD) (screen)	83 x 83 x 11.5 mm
Screen size	3.6"
Screen resolution	1024 x 768 pixels
Screen brightness	Automatic
Proximity sensor	0 - 30 cm
Modification of settings	Niko Home Control programming software
Configuration	Niko Home app
Communication	Wi-Fi 2.4 GHz bgn (HT20)
System compatibility	Niko Home Control II
Maximum frequency power	15.19 dBm
Maximum number of Digital blacks per installation	20
Wire capacity	2 x 0.5 – 1 mm <sup>2</sup>
Protection degree	IP40
Marking	CE