systemair

Installation instruction EN

NaviPad PD70-C

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1 Introduction

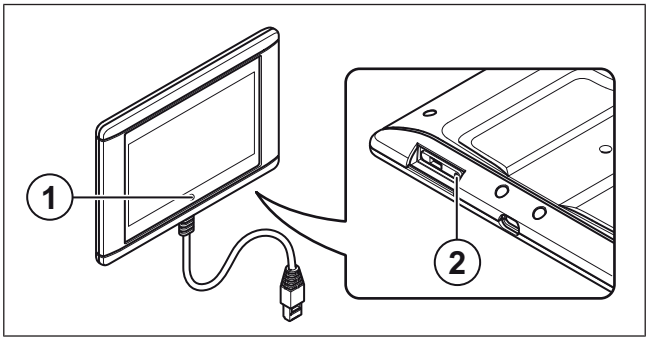
1.1 Product description

NaviPad is a control panel (HMI) for Systemair Access control system.

The product is a IPS based 7” high resolution touchscreen.

The product is handheld or attached to an air handling unit with the supplied NaviPad holder.

2 NaviPad



1. NaviPad button
2. Restart button

2.1 To install the NaviPad holder

Caution

Do not install the NaviPad holder in an outdoor area or in direct sunlight. The ambient temperature of the NaviPad must be between 0-50 °C.

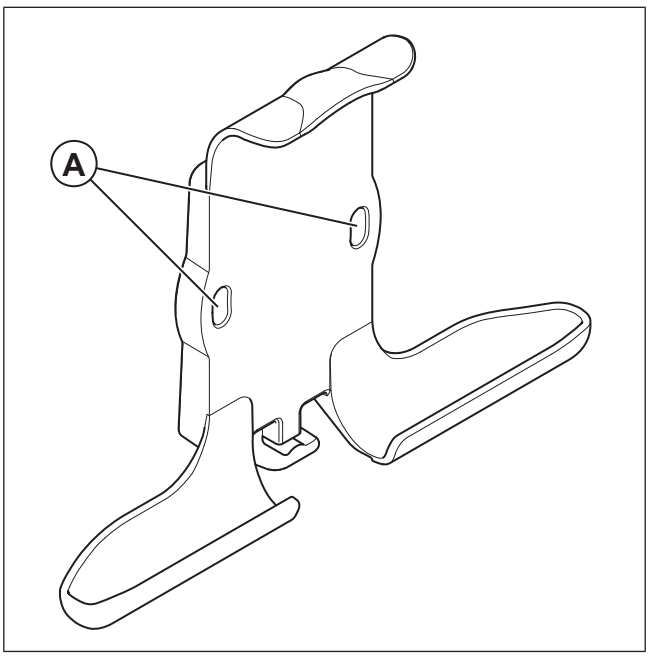
1 Find an applicable location for installation on the product or on a wall. The NaviPad is supplied with 3 m cable. To install the NaviPad holder more than 3 m from the unit, an extension cable is necessary.

The maximum distance between the NaviPad and the control unit is 100 m. If a longer distance is necessary, use a standard Ethernet cable (CAT 5/CAT 6).

Note:

A 10 m extension cable is available as an accessory.

2 Use the holes (A) in the NaviPad holder as a drilling template.



3 Attach the NaviPad holder.

a. If the NaviPad holder is installed on the product, use the supplied screws.

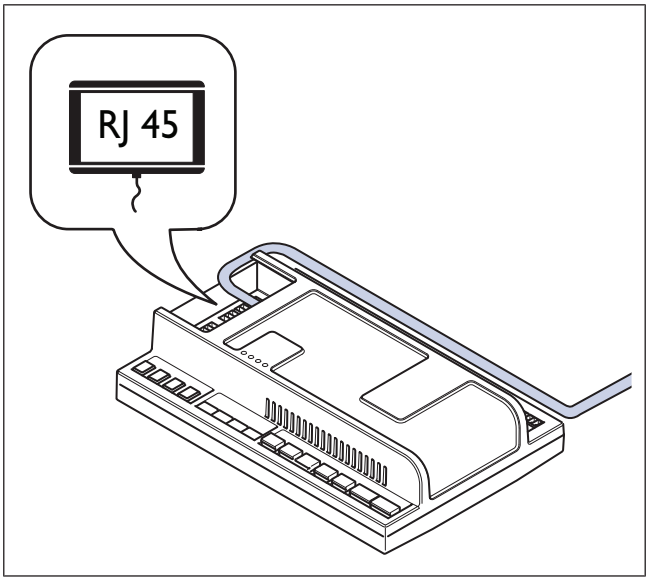
Caution

Use screws of sufficient length. Make sure that the screws cannot go through the casing of the product and cause leakage.

b. If the NaviPad holder is installed on a wall, use screws applicable to the wall structure. The screws are not supplied by Systemair.

2.2 To connect the NaviPad

Connect the NaviPad cable to the HMI/NaviPad port in the Access control unit.



Note:

The HMI/NaviPad port is POE (power over ethernet) and only applicable for the HMI/NaviPad, there are no other approved connections.

For operation of the NaviPad, refer to Installation, operation and maintenance for the air handling unit at www.systemair.com.

2.3 To clean the NaviPad

Disconnect the NaviPad and clean it with a dry cloth and a cleaning product for touch screens.

2.4 Technical specification

Mechanical	
Mechanical size (W x H x D)	215 x 145 x 30 mm
Weight	631 g
Housing material	TPE, PE
Panel mount	Holder

Power	
Input voltage	24 V DC (20 to 48 V DC)
Power consumption (max)	10 W
Input fuse	Internal PTC fuse

Processor and memory	
CPU	i.MX6 DualLite 2* ARM Cortex-A9 1GHz
RAM	1 GB

Display	
Size diagonal	7”
Resolution (ratio)	1024x600 (16:9)
Colours	16.7M
Viewing angle (Hor./Vert.)	70+70°/50+60°
Backlight	LED backlight 1.9W
Backlight brightness	220 cd/m2
Backlight dimming	Via PWM control
Display type	IPS panel
Touch type	Capacitive

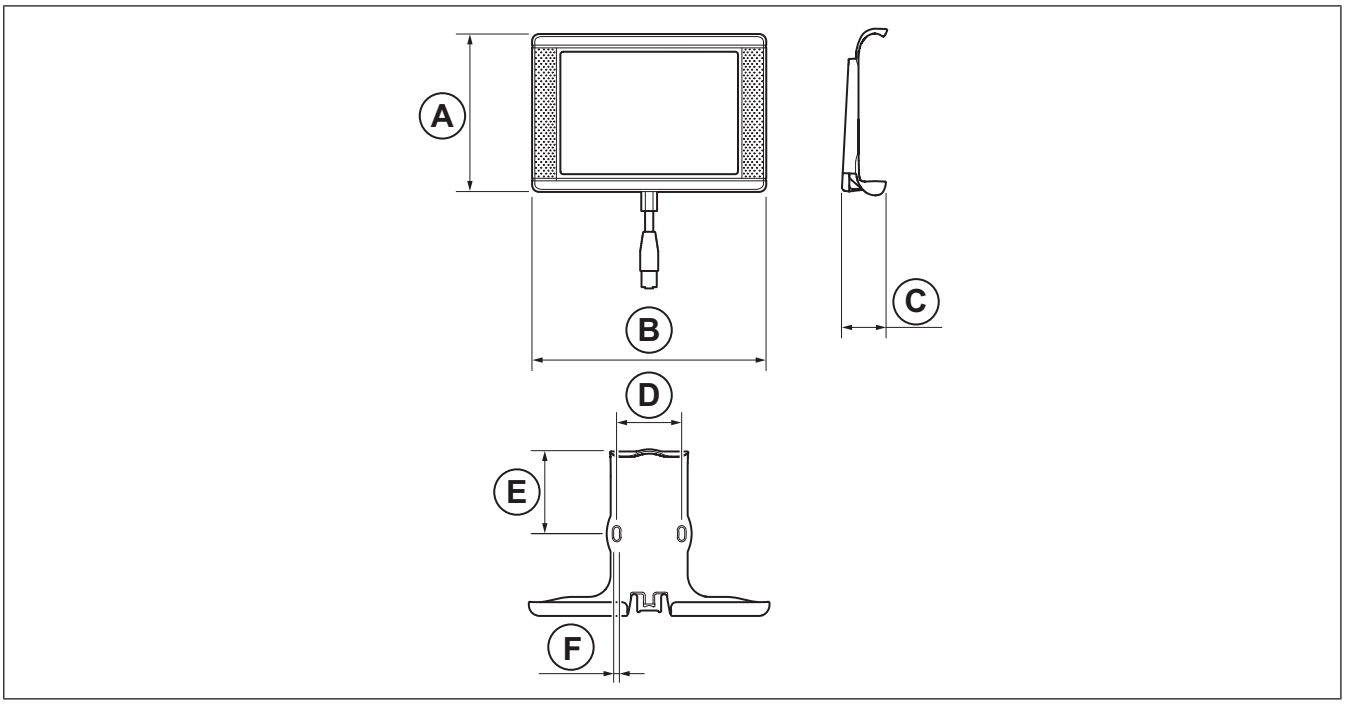
Communication Ethernet	
Physical interface (Connector)	Shielded RJ45, custom cable
POE, voltage	Passive 24 VDC POE
POE, Pin assignment	4, 5+; 7, 8-
Maximum cable length	100 m (Ethernet standard)
Cable type	Custom cable (extend with CAT 5/CAT 6)
Baud rate	100 Mbit

Expansion Interface	
USB	1xUSB 2.0 (micro USB-B Female)

Environmental	
Operating temperature	-0…+50 ˚C
Storage temperature	-20 to +50 ˚C
Shock resistance	1,2 m drop
Degree of protection, front/back	IP54

System software	
Operating system	Linux, Yocto
Application	Chrome in Kiosk Mode
Browser language	HTML + Javascript

2.5 Dimensions of the NaviPad and NaviPad holder



A	B	C	c/c D	E	F
153	221	40.3	59.4	77.5	3.2

3 EU Declaration of conformity

We, the manufacturer

Manufacturer	Systemair AB
Address	Industrivägen 3 SE-73930 Skinnskatteberg Sweden

declare under our sole responsibility that the products

Machine	Control panel
Type/Model	NaviPad

fulfils the relevant provisions of following directives and standards

Low voltage directive 2014/35/EU

EN 60730-1:2016

Automatic electrical controls - Part 1: General requirements

Electromagnetic Compatibility (EMC) Directive 2014/30/EU

EN 61000-4-2:2009

Electromagnetic compatibility (EMC) - Part 4-2: Testing and measuring techniques - Electrostatic discharge immunity test

EN 61000-4-3:2006

Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test

EN 61000-4-4:2012

Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test

EN 61000-4-5:2014

Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test

EN 61000-4-6:2014

Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields

EN 61000-6-1:2007

Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial and light-industrial environments

EN 61000-6-3:2007/A 1:2011

Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments

RoHS Directive 2011/65/EU and amendment (EU) 2015/863

Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.

Persons authorized to compile the technical file:

Tobias Löfström

Product Manager, Access Control System

This declaration relates exclusively to the machinery in the state in which it was placed on the market and excludes components which are added or operations carried out subsequently by the final user.

Skinnskatteberg, Sweden 2025-01-23

Ralf Bergne

Product Area Director Control Systems

Systemair AB

Industrivägen 3

SE-739 30 Skinnskatteberg

+46 222 440 00

mailbox@systemair.com

www.systemair.com

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