

Novigo

Operating terminals

PT2004-A1, PT2005-A1, PT2006-A1, PT2007-A1, PT2010-A1



Operating terminals certified to EN 54-16 provide a clear, simple overview and rapid access to the key system functions of a Novigo voice alarm system.

- For installation in a 19" cabinet or for remote use
- Quick overview of system functions and alarms
- Easy recognition of signals via color coding and acoustic signals
- Direct operation of system
- Direct volume control and audio data selection at the installation location

The devices are required for displaying and using alarm-related information at a system cabinet or in control panels.

The components PT2010-A1, PT2004-A1 and PT2005-A1 are provided in the form of a 19"-compatible panel for installation in 19" cabinets. The component PT2006-A1 is installed in recessed boxes. The component PT2007-A1 is installed in system cabinet doors for operation when the door is closed and in control panels.

System operating unit (19") PT2010-A1

The system operating unit PT2010-A1 displays the operating and fault status of the audio system. It provides color-coded buttons to trigger, reset, and silence alarms. Color-coded LEDs in the respective button indicate the status of the 'alarm' function and the 'silencing' function. It communicates via the 'PACE-Bus' with an audio matrix.

It provides the following features:

- Displays information on operation, faults and alarms provided via color-coded display elements
- Issues an acoustic warning via an integrated buzzer if there are error messages in the system

Operating personnel can perform the following functions on the system operating unit:

- Manually trigger an alarm: red 'Alarm' button
- Read off the alarm status: red LED in 'Alarm' button
- Manually reset an alarm: black 'Reset' button
- Manually silence an alarm: green 'Silence' button
- Display the silencing status: green LED in 'Silence' button
- Acknowledge fault messages: black 'Fault Indication Reset' button

A DC/DC converter on the printed circuit board electrically isolates all inputs and outputs from the DC 24 V power supply.

System state indicator (19") PT2004-A1

The system state indicator PT2004-A1 displays the operating status of the audio system. It provides the following features:

- Displays information on operation, faults and alarms provided via color-coded display elements
- Issues an acoustic warning via an integrated buzzer if there are error messages in the system
- Acknowledges fault messages via an integrated button

A DC/DC converter on the printed circuit board electrically isolates all inputs and outputs from the DC 24 V power supply.

System state indicator (door) PT2007-A1

The system state indicator PT2007-A1 offers the same functions as the system state indicator PT2004-A1, but is designed for installation in cabinet doors or control panels.

Alarm control panel (19") PT2005-A1

The alarm control panel PT2005-A1 provides color-coded buttons to trigger, reset, and silence alarms. Color-coded LEDs in the respective button indicate the status of the 'alarm' function and the 'silencing' function. Operating personnel can perform the following functions on the alarm control panel:



- Manually trigger an alarm: red 'Alarm' button
- Read off the alarm status: red LED in 'Alarm' button
- Manually reset an alarm: black 'Reset' button
- Manually silence an alarm: green 'Silence' button
- Display the silencing status: green LED in 'Silence' button
- Acknowledge fault messages: black 'Fault Indication Reset' button


Remote control panel PT2006-A1


The remote control panel PT2006-A1 is connected to one of the digital audio matrices PC2001-A1, PC2002-A1, PC2003-A1, PC2005-A1 or PC2006-A1.


When combined with one of the audio matrices, it is possible to control the sound level on site, switch between various default settings, and control the audio source, e.g., a CD player or radio tuner, in selected areas.

Features and Functions






PT2010-A1	'System operating unit (19")'
	<ul style="list-style-type: none"> ● EN 54-16-compliant indicator panel for visual and acoustic status messages and control voice alarms ● Display of system status ● Control of voice alarms ● Fault warning with acoustic warning signal ● Color-coded visual indicators: operation, fault, and alarm <ul style="list-style-type: none"> – Operation: green – Fault: yellow – Voice Alarm: red ● Color-coded control buttons: control of voice alarms, acknowledges <ul style="list-style-type: none"> – <Start Voice Alarm>: red LED indicator button – <Reset Voice Alarm>: black button – <Silence Voice Alarm>: green LED indicator button – Acknowledge faults: black button – Acknowledge acoustic warning and LED test: black button ● 8 predefined visual fault indicators: yellow <ul style="list-style-type: none"> – Power fault – Fuse fault – Earth fault – 'PACE-Net' fault – 'PACE-Bus' fault – Amplifier fault – Microphone fault – Speaker circuit fault ● 8 user-configurable state indicators: yellow ● Potential-free fault contact ● Service socket ● RS485 data transmission ('PACE-Bus') ● Addressable via 4-way SIP switch for 'PACE-Bus' connection ● Design: 19", 2 HU
PT2004-A1	'System state indicator (19")'
	<ul style="list-style-type: none"> ● EN 54-16-compliant indicator panel for visual and acoustic status messages ● Color-coded visual indicators: operation, fault, and alarm <ul style="list-style-type: none"> – Operation: green – Fault: yellow – Voice Alarm: red ● Fault warning with acoustic warning signal ● Acknowledge acoustic warning and LED test: black button ● Potential-free fault contact ● Design: 19", 1 HU

PT2007-A1	'System state indicator (door)'
 <p>The image shows a rectangular, light-colored panel with three circular indicators: a green one labeled 'Operating Betriebs', a yellow one labeled 'Fault Störung', and a red one labeled 'Voice alarm Sprachalarm'. To the right of these is a black button labeled 'Duzzer reset/Test Quittierung/Test'. The SIEMENS logo and the model number PT2007 are also visible.</p>	<ul style="list-style-type: none"> • EN 54-16-compliant indicator panel for visual and acoustic status messages • Color-coded visual indicators: operation, fault, and alarm <ul style="list-style-type: none"> – Operation: green – Fault: yellow – Voice Alarm: red • Fault warning with acoustic warning signal • Acknowledge acoustic warning and LED test: black button • Potential-free fault contact • Design: open frame

PT2005-A1	'Alarm control panel (19"')'
 <p>The image shows a long, thin, light-colored panel with three circular indicators: a red one labeled 'Activate', a black one labeled 'Reset', and a green one labeled 'Silence'. To the right is a black button labeled 'Acknowledge faults'. The SIEMENS logo and the model number PT2005 are also visible.</p>	<ul style="list-style-type: none"> • Activation of voice alarms <ul style="list-style-type: none"> – Activate: red LED button – Reset: black button – Silence: green LED button • Button to acknowledge faults: black • Service socket • Design: 19", 1 HU

PT2006-A1	'Remote control panel'
 <p>The image shows a white, square-shaped panel with a central display screen. Above the screen are four circular buttons, and below it are four more. The SIEMENS logo and the model number RC-3285 are visible.</p>	<ul style="list-style-type: none"> • Buttons and display for channel selection • Sound level settings • Connection of up to 16 remote control panels to the digital audio matrices PC2001-A1, PC2002-A1, PC2003-A1, PC2005-A1, or PC2006-A1 possible via the RS485 interface • Supplied with installation frame • For installation in recessed box • 4-pin cables for RS485 interface and power supply

Type Overview

Type	PT2010-A1	PT2004-A1	PT2007-A1	PT2005-A1	PT2006-A1
					
Designation	System operating unit (19")	System state indicator (19")	System state indicator (door)	Alarm control panel (19")	Remote control panel
Order number	OFB:NOVIGO_2 144	OFB:NOVIGO_2 141	OFB:NOVIGO_2 142	OFB:NOVIGO_2 143	OFB:NOVIGO_2 145
Features					
System state indicator	●	●	●	–	–
Acknowledgment of fault messages	●	●	●	●	–
Operation of alarming functions	●	–	–	●	–
Selection of audio source	–	–	–	–	●
Selection of default audio settings	–	–	–	–	●
Volume control	–	–	–	–	●
Housing					
19"	●	●	–	●	–
Aluminum sheet for switch cabinet installation	–	–	●	–	–
Open frame design	●	●	●	●	–
Frame for recessed box installation	–	–	–	–	●

- Included
- Not included

Device combinations

Type	PC2001-A1 Digital audio matrix (4/4/4)	PC2002-A1 Digital audio matrix (0/4/4)	PC2003-A1 Digital audio matrix (4/4/16)	PC2005-A1 Digital audio matrix no supervision (4/4/4)	PC2006-A1 Digital audio matrix no supervision (0/4/4)
PT2010-A1	•	•	•	•	•
PT2004-A1	•	•	•	•	•
PT2007-A1	•	•	•	•	•
PT2005-A1	•	•	•	•	•
PT2006-A1	•	•	•	•	•

- Compatible
- Not compatible

Order numbers

Type	Designation	Order number
Operating terminals		
PT2010-A1	System operating unit (19")	OFB:NOVIGO_2144
PT2004-A1	System state indicator (19")	OFB:NOVIGO_2141
PT2007-A1	System state indicator (door)	OFB:NOVIGO_2142
PT2005-A1	Alarm control panel (19")	OFB:NOVIGO_2143
PT2006-A1	Remote control panel	OFB:NOVIGO_2145

Product documentation

You will find more information on the Novigo system and its components in the following documents:


Title	Document ID
IT security policies	
Novigo – IT security policies	A6V11773711
System documentation	
Novigo – planning	A6V11467812
'PACE-Design' – configuration	A6V11474760
Novigo – mounting / installation	A6V11467817
Novigo – operation	A6V11467803
Data sheets	
System data sheet	A6V11467196
19" cabinets	A6V11467209
Digital audio matrix	A6V11467202
Power amplifier	A6V11467204
Operating terminals	A6V11467198
Call stations and extensions	A6V11467200
Power supply and batteries	A6V11467207
Accessories and options	A6V11467211
Loop isolator (100V)	
Loop isolator (100V) - technical manual	A6V11571319
Environmental declaration	
Novigo – environmental declaration	A6V11948779

Download center

Related documents such as environmental declarations, CE declarations, etc., can be downloaded at the following Internet address:

<http://siemens.com/bt/download>

Safety

	⚠ CAUTION
National safety regulations	
<p>Failure to comply with national safety regulations may result in personal injury and property damage.</p>	
<ul style="list-style-type: none"> • Observe national provisions and comply with the appropriate safety regulations. 	

Mounting

The system operating unit PT2010-A1, system state indicator PT2004-A1 and the alarm control panel PT2005-A1 are installed at access level 2 (restricted access) and only provide access to the indicated functions to authorized personnel.

The remote control panel PT2006-A1 is supplied with an installation frame and can be mounted in a recessed box.

The system state indicator PT2007-A1 is installed in switch cabinet doors or in control panels.

Disposal



The device is considered an electronic device for disposal in accordance with the European Guidelines and may not be disposed of as domestic garbage.

- Dispose of the device through channels provided for this purpose.
- Comply with all local and currently applicable laws and regulations.

Environmental compatibility

The Environmental Product Declaration (EPD) for 'Novigo VANSYS' contains data and information on the product's environmentally compatible design features and its ratings; for example, its RoHS conformity, composition, packaging, environmental benefits, and disposal information.

You can obtain the document A6V11948779 via the following Internet address:

<https://siemens.com/bt/download>

Enter the document ID in the search field.

Guarantee

The application-specific technical data is guaranteed only in combination with the Siemens products listed in the 'Device combinations' section. If third-party products are used, any guarantee provided by Siemens will be invalidated.

Technical data

	PT2010-A1	PT2004-A1	PT2007-A1	PT2005-A1	PT2006-A1
Supply					
Power supply	DC 24 V			DC 9...14 V	DC 10...24 V
Power consumption	Max. 5 W				
Interfaces					
Serial interfaces	RS485: 'PACE-Bus'	–			RS485: 16x modules can be connected
Ambient conditions					
Operating temperature	-5...+40 °C				
Storage temperature	-20...+70 °C				
Operation in humid environments (without moisture condensation)	10...90 % rel.				
Storage in humid environments (without moisture condensation)	5...90 % rel.				
Housing type	Open frame design; 19", 2 HU	Open frame design; 19", 1 HU	Open frame design; aluminum sheet for switch cabinet installation	Open frame design; 19", 1 HU	With frame for recessed box installation
Protection class (EN 61140)	III				
Dimensions and weights					
W x H x D mm	483 x 88 x 40	483 x 44 x 35	142 x 65 x 35	483 x 44.25 x 45	80 x 80 x 47
Installation depth	–				37 mm
Weight	300 g	160 g	160 g	100 g	100 g
Color	RAL 7035 light gray				Light grey / white
Standards	EN 54-16				

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