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Operating Instructions **FieldEdge SGC500**

Industrial edge device for connecting field devices to the Netilion Cloud





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1 Revision history

Product version	Operating Instructions	Changes	Comments
01.00.xx	BA02035S/04/EN/01.20	-	Initial version
02.00.xx	BA02035S/04/EN/02.20	EtherNet/IP New sections and changes	-
02.00.xx	BA02035S/04/EN/03.21	Section 9: Changes	-
02.00.xx	BA02035S/04/EN/ 04.23-00	Modbus TCP "License model" section removed. "Diagnostics and troubleshooting" section, ('Software updates') and "Repairs" revised. Other minor adjustments	-
03.04.xx	BA02035S/04/EN/ 05.25-00	Section 10: "Connecting to PROFINET" added Other minor adjustments	-

2 About this document

2.1 Document function

These Operating Instructions contain all the information that is required in various phases of the life cycle of the device: from product identification, incoming acceptance and storage, to mounting, connection, operation and commissioning through to troubleshooting, maintenance and disposal.

2.2 Symbols used

2.2.1 Safety symbols

A DANGER

This symbol alerts you to a dangerous situation. Failure to avoid this situation will result in serious or fatal injury.

WARNING

This symbol alerts you to a dangerous situation. Failure to avoid this situation can result in serious or fatal injury.

ACAUTION

This symbol alerts you to a dangerous situation. Failure to avoid this situation can result in minor or medium injury.

NOTICE

This symbol contains information on procedures and other facts which do not result in personal injury.

2.2.2 Symbols for certain types of information

Symbol	Meaning
	Permitted Procedures, processes or actions that are permitted.
	Preferred Procedures, processes or actions that are preferred.
×	Forbidden Procedures, processes or actions that are forbidden.
i	Tip Indicates additional information.
	Reference to documentation.
	Reference to page.
	Reference to graphic.
	Notice or individual step to be observed.
1., 2., 3	Series of steps.
4	Result of a step.
?	Help in the event of a problem.
	Visual inspection.

2.2.3 Symbols in graphics

Symbol	Meaning	Symbol	Meaning
1, 2, 3,	Item numbers	1., 2., 3	Series of steps
A, B, C,	Views	A-A, B-B, C-C,	Sections
EX	Hazardous area	×	Safe area (non-hazardous area)

2.3 Documentation

FieldEdge SGC500

- Operating Instructions BA02035S
- Technical Information TI01525S
- Security manual SD03029S

2.4 Registered trademarks

EtherNet/IP™

Trademark of ODVA, Inc.

HART®

Registered trademark of the FieldComm Group, Austin, Texas, USA

Modbus®

Registered trademark of SCHNEIDER AUTOMATION, INC.

PROFIBUS®

Registered trademark of the PROFIBUS User Organization, Karlsruhe, Germany

PROFINET®

Registered trademark of the PROFIBUS Nutzerorganisation e.V. (PROFIBUS User Organization), Karlsruhe, Germany

WirelessHART[®]

Registered trademark of the FieldComm Group, Austin, Texas, USA

3 Basic safety instructions

3.1 Requirements for the personnel

The personnel for installation, commissioning, diagnostics and maintenance must fulfill the following requirements:

- Trained, qualified specialists must have a relevant qualification for this specific function and task.
- Are authorized by the plant owner/operator.
- Are familiar with federal/national regulations.
- Before starting work, read and understand the instructions in the manual and supplementary documentation as well as the certificates (depending on the application).
- ► Follow instructions and comply with basic conditions.

The operating personnel must fulfill the following requirements:

- Are instructed and authorized according to the requirements of the task by the facility's owner-operator.
- ▶ Follow the instructions in this manual.

3.2 Designated use

The FieldEdge SGC500 must be installed, connected and configured in accordance with the instructions in this manual.

The FieldEdge SGC500 is not approved for hazardous areas.

3.3 Workplace safety

For work on and with the device:

► Wear the required personal protective equipment according to federal/national regulations.

3.4 Operational safety

Risk of injury!

- Operate the device only if it is in proper technical condition, free from errors and faults.
- ▶ The operator is responsible for interference-free operation of the device.

Modifications to the device

Unauthorized modifications to the device are not permitted and can lead to unforeseeable dangers:

► If modifications are nevertheless required, consult with Endress+Hauser.

3.5 Product safety

The SGC500 meets the requirements of the EU Directives as per the CE mark.

3.6 IT security

We only provide a warranty if the device is installed and used as described in the Operating Instructions. The device is equipped with security mechanisms to protect it against any inadvertent changes to the device settings.

IT security measures in line with operators' security standards and designed to provide additional protection for the device and device data transfer must be implemented by the operators themselves.

4 Product description

4.1 Function

The FieldEdge SGC500 enables the connection of field devices in an industrial plant to the Netilion Cloud. Data transmission is via the Internet connection in the plant. The information required for Netilion Services is regularly read out of the field devices and saved to the Netilion Cloud.

Use the transmitted data via the following services:

- Netilion Connect or
- Netilion Services

Netilion Connect

The transmitted data can be retrieved directly via a software interface (REST JSON Application Programming Interface (API)) and integrated into a user application.



The Application Programming Interface (API) is provided as part of the Netilion Connect Subscription.

Netilion Services

The transmitted data enable digital Netilion Services, such as Analytics, Health, Library and Value.

4.2 Application

The FieldEdge SGC500 consists of hardware and Endress+Hauser software.

The FieldEdge connects the field to the Netilion Cloud. The FieldEdge is installed in a cabinet in an automation system and permanently connected to the field network and, via a second network, to the Internet. The information read in from the field devices is interpreted and transmitted to the Netilion Cloud via the Internet connection.

The Endress+Hauser software offers the following:

- Read-only connection to field devices via a variety of fieldbus protocols and field gateways. Optional field device write accesses are documented in Netilion Services and require user confirmation.
- Data processing and encrypted transmission of data exclusively to the Netilion Cloud.
- Specific data acquisition for the digital services the user has subscribed to in Netilion.
- Automatic updates run in the background: security updates, software modifications and functional enhancements.



No provisions are made for incoming communication from the Internet and it must be blocked in the system firewall. Routing to the field network is not possible.

4.3 System design



I Network architecture

- 1 Endress+Hauser field devices and third-party field devices
- 2 Fieldbus communication
- 3 Supported field gateways for conversion from fieldbus protocol to an IP protocol
- 4 Ethernet communication
- 5 FieldEdge SGC500, reads field device data and transmits it securely to the Netilion Cloud
- 6 WAN Internet connection https, plant-side connection
- 7 Netilion Cloud
- 8 https Internet connection
- 9 Netilion Services: Netilion Service app based on internet browser
- 10 User application
- 11 Netilion Connect: Application Programming Interface (API)
- 12 Industrial Ethernet
- For detailed information on Netilion Connect, see: https://developer.netilion.endress.com/discover
 - For detailed information on Netilion Services, see: https://netilion.endress.com

4.4 Communication and data processing

Supported fieldbus communication	Connection to FieldEdge
HART	Fieldbus via field gateway to Ethernet connection
WirelessHART	

Supported fieldbus communication	Connection to FieldEdge
PROFIBUS	
Modbus TCP	Direct via industrial Ethernet connection
EtherNet/IP	
PROFINET	

FieldEdge	Connection to the Netilion Cloud
FieldEdge SGC500	Internet connection: WAN – https

4.5 Product design



- 2 FieldEdge SGC500
- 1 User switch mode
- 2 LEDs
- 3 Watchdog
- 4 LED (not used)
- 5 SD card slot (not used)
- 6 Power LED
- 7 HDD hard drive LED
- 8 ON switch
- 9 Audio connection (not used)
- 10 USB 3.0 (not used)
- 11 CAN bus (not used)
- 12 DIO (not used)
- 13 RS-232/422/485 COM ports (not used)
- 14 Power supply
- 15 GbE LAN
- 16 GbE LAN (not used)
- 17 GbE LAN
- 18 Display port (not used)

5 Incoming acceptance and product identification

5.1 Incoming acceptance

- Check the packaging for visible damage arising from transportation.
- To avoid damage, remove the packaging with care.
- Keep all the accompanying documents.

The system must not be put into operation if the contents are found to be damaged beforehand. Follow the instructions on https://netilion.endress.com/legal/terms-of-service. Return the SGC500 when requested to do so by Endress+Hauser. Use the original packaging where possible.

The device is replaced following consultation with Endress+Hauser and must only be returned upon request.

5.1.1 Scope of delivery

The scope of delivery comprises:

- SGC500
- 1 × power terminal block connector
- 1 × fastening clip for DIN rail mounting
- 1 × dust protection cap
- 1 × documentation

5.2 Product identification

5.2.1 Nameplate



■ 3 SGC500 nameplate

- 1 QR code with link to Netilion help
- 2 Endress+Hauser serial number
- 3 Endress+Hauser product name
- 4 MAC addresses of LAN connections



5.2.2 Manufacturer's address

Hardware	Software
Made by OnLogic for Endress+Hauser	Endress+Hauser Process Solutions AG
OnLogic	Christoph Merian-Ring 12
35 Thompson St, South	CH-4153 Reinach
Burlington, VT	Switzerland
05403	www.endress.com
United States	

5.3 Storage and transport

Always use the original packaging when transporting the product.

5.3.1 Ambient temperature range

-25 to 70 °C (-13 to 158 °F)

5.3.2 Storage temperature

-40 to 85 °C (-40 to 185 °F)

5.3.3 Humidity

0 to 90 %, non-condensing

5.3.4 Vibration resistance

Tested acc. to

- IEC 60068-2-64
- MIL-STD-810G

5.3.5 Shock resistance

Tested acc. to

- IEC 60068-2-27
- MIL-STD-810G

6 Mounting

6.1 Mounting requirements

Please note the following to ensure correct operation of the SGC500:

- Supply voltage 9 to 36 V_{DC}
- Ambient temperature range -25 to 70 °C (-13 to 158 °F)
- Relative humidity 0 to 90 % non-condensing
- Vibration resistance as per IEC 60068-2-64



When selecting the location of the SGC500, ensure that it is possible to connect to the Internet and the field network.

6.2 Mounting the device

Dimensions of the SGC500: 56 mm (2.20 in) · 154 mm (6.06 in) · 119 mm (4.69 in)



4 Dimensions of the SGC500, engineering unit: mm (in)

Mounting on DIN rails

- 1. Fix the DIN rail clip supplied on the SGC500.
- 2. Mount the SGC500 on a DIN rail in a system cabinet.

Sufficient space around the SGC500 is required for heat dissipation.

6.3 Post-installation check

Are the mounted components undamaged (visual inspection)?	
Do all the components meet the required specifications? For example:Ambient temperatureHumidity	
Are all the securing screws tightened securely?	
Is the SGC500 correctly mounted on the DIN rail?	
Is the SGC500 mounted for optimum heat dissipation with vertically aligned cooling fins?	

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Is the power supply correct?

Is the polarity of the power supply correct?

7 Electrical connection

7.1 Connecting requirements

The following conditions must be met:

- Ensure the cable is de-energized when connecting to the SGC500
- Please follow the connection information in this manual
- Supply voltage: 9 to 36 V_{DC}
- Permitted voltage fluctuation: ± 10 %
- Power consumption: 60 W

7.2 Connecting the device

7.2.1 Connecting the supply voltage

NOTICE

Damage to device

► Do not open the housing of the FieldEdge SGC500.



☑ 5 Power supply at the SGC500, socket for 3-pin connector

- *1* Supply voltage, negative pole
- 2 Not used
- 3 Supply voltage, positive pole

A 3-pin connector for the supply voltage is included in the scope of supply.

Connecting the 3-pin connector for the supply voltage

1. Connect the negative pole of the supply voltage to terminal 1 (–).



Connecting the supply voltage: $\rightarrow \triangleq 16$

7.2.2 Connecting LAN interfaces

Connecting LAN interfaces: $\rightarrow \cong 16$

7.3 Post-connection check

Is the device undamaged (visual inspection)? Are the cables undamaged (visual inspection)?	
Does the supply voltage match the specification on the nameplate?	
Was the supply voltage connected correctly?	

8 Operation options

The SGC500 can be connected for local configuration via a notebook with a network connection. The SGC500 can be configured with a Web browser like Chrome or Firefox.

9 System integration

System integration is via Netilion and is performed automatically in the background, as described. As soon as an Internet connection has been established for the SGC500, the SGC500 is visible in the Netilion Cloud and can be controlled from there.

10 Commissioning

10.1 Connecting the SGC500

10.1.1 Separate interfaces for Internet and field network

- We recommend using different networks for the Internet and the field network, as described in this section.
 - The system firewall settings do not block authorized requests from the Internet to the field network and allow access to Netilion via https://*.netilion.endress.com. https://api.netilion.endress.com and https://downloads.netilion.endress.com are used.



6 Separate interfaces for Internet and field network

- 1 LAN1 (WAN 1 cloud) interface for the Internet
- 2 LAN3 interface for the fieldbus
- 3 LAN2 not used
- 4 System firewall



The Ethernet cables are not included in the scope of delivery.

- 1. Connect the Ethernet cable for the Internet connection to LAN1 (WAN 1 cloud) of the SGC500.
- 2. Connect the Ethernet cable for the field network to LAN3 of the SGC500.
- 3. Place a dust cover on the LAN connection that is not in use.
- 4. Connect the supply voltage. $\rightarrow \square 15$
 - └ The power LED on the SGC500 must be lit blue.

10.1.2 Common interface for Internet and field network

- We recommend you use different networks for the Internet and field network. $\rightarrow \ \textcircled{} 16$
 - If only one network is set up for the Internet and the field network, the LAN1 interface (WAN 1 - cloud) must be used.
 - The system firewall settings do not block authorized requests from the Internet to the field network and allow access to Netilion via https://*.netilion.endress.com. https://api.netilion.endress.com and https://downloads.netilion.endress.com are used.



Image: The second se

- 1 LAN3 not used
- 2 LAN2 not used
- 3 LAN1 (WAN 1 cloud)
- 4 Field network
- 5 System firewall
- 6 Internet connection

The Ethernet cables are not included in the scope of delivery.

1. Connect the Ethernet cable from the system firewall to LAN1 (WAN 1 – cloud) of the SGC500.

- 2. Place a dust cover on the LAN interfaces that are not in use.
- 3. Connect the field network to the system firewall.
- 4. Connect the Internet to the system firewall.
- 5. Connect the supply voltage. $\rightarrow \cong 15$
 - └ The power LED on the SGC500 must be lit blue.

If the LAN1 connection only is used, the EtherNet/IP connection is not supported.

10.2 Automatically connecting the SGC500 to the Netilion Cloud

Requirements

Access to Endress+Hauser Netilion is established.



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Separately purchased FieldEdge SGC500 devices must be added to a Netilion user account before use. Information on this can be found in the documentation supplied.

1. Log in to Endress+Hauser Netilion https://netilion.endress.com/app/id/.

- 2. Use the navigation in Netilion to open the Edge Devices page.
- 3. Select the SGC500 on the **Edge Devices** page.
 - └ When the SGC500 has connected to the Netilion Cloud, a green dot appears next to the SGC500.
- If the SGC500 is not displayed with a green dot, wait a few minutes and refresh the list of edge devices (F5).

10.3 Manually connecting the SGC500 to the Netilion Cloud

If automatic connection of the SGC500 to the Netilion Cloud has failed, connect the SGC500 to the Netilion Cloud manually.



1 Ethernet cable between notebook and LAN3

2 Notebook with Web browser for the configuration

- 1. Connect the notebook via an Ethernet cable to the LAN3 of the SGC500.
- 2. Open a Web browser.
- 3. Enter the URL **169.254.1.1**.
 - └ The SGC500 app opens.
- 4. Log in. User name: *admin*. Password: *serial number of the SGC500*.

- 5. Follow the instructions of the SGC500 app and perform the configuration.
- If connection to Netilion fails, check DNS availability.

Check the following DNS scenarios in the SGC500 network:

Scenario 1: SGC500 Internet access via proxy server (recommended).

1a: SGC500 can reach the proxy server with the proxy IP address. The proxy is configured in the SGC500 app with its IP address. The SGC500 does not require a DNS configuration.

1b: SGC500 can reach the proxy server with the proxy name. The proxy is configured in the SGC500 app with its proxy name. The SGC500 requires access to a DNS server to resolve the proxy name.

Scenario 2: The SGC500 can access https://*.netilion.endress.com directly, no proxy server is available. This is not recommended as there is no firewall. The SGC500 requires access to a DNS server to resolve *.netilion.endress.com.

- 6. As soon as an Internet connection has been established, disconnect the Ethernet cable at the SGC500 from LAN3.
- 7. Connect the Ethernet cable for the field network to LAN3 of the SGC500.
- 8. Connect the SGC500 with the Netilion Cloud. $\rightarrow \square$ 19

The serial number can be found on the nameplate and in the "Software updates" $\rightarrow \cong 26$ section.

If it is not possible to connect to the SGC500 app:

- 1. Check the TCP/IP settings on the connected notebook.
- 2. Permit the automatic assignment of an IP address (DHCP) or the assignment of a fixed IP address.
- 3. Alternatively, configure the IP address **169.254.1.2** with subnet mask **255.255.0.0**.
- 4. Also check that the use of a http proxy is not enabled.
- 5. Enter the address on a notebook in the same network https://api.netilion.endress.com/status.
 - └ The status *I am alive* confirms unlimited Internet access to netilion.endress.com.



Contact the IT administrator if no connection can be established from the SGC500 to Netilion.

10.4 Connecting to the field network

Requirements

- Access to Endress+Hauser Netilion is established.
- The SGC500 is visible in the Netilion Cloud.

1. Log in to Endress+Hauser Netilion https://netilion.endress.com/app/id/.

- 2. Use the navigation in Netilion to open the Edge Devices page.
- 3. On the **Edge Devices** page, click the relevant **SGC500**.
 - └ The "Edge Device Details" page is displayed.
- 4. Click **LAN3** in the "Network Interfaces" section.
 - └ The "Network Interface Details" page is displayed.
- 5. Click Edit.
- 6. Configure the IP settings of the field network.
- 7. Save the settings by clicking **Save**.
- 8. Wait for the settings to update.
- 9. Use **F5** to refresh the list of edge devices.
 - ← The SGC500 is displayed with a green dot.
- **10.** Fieldbus via field gateway: $\rightarrow \bigoplus 22$. EtherNet/IP: $\rightarrow \bigoplus 23$



Connecting to field devices or field gateways is only possible in the configured field network. Subnet routing is not supported.

10.5 Connecting to the field gateway

This section is not applicable to EtherNet/IP.

For detailed information on the Modbus Value Mapping: https://help.netilion.endress.com/

Requirements

- Access to Endress+Hauser Netilion is established.
- The SGC500 is connected to the Netilion Cloud.
- 1. Log in to Endress+Hauser Netilion https://netilion.endress.com/app/id/.
- 2. Use the navigation in Netilion to open the **Edge Devices** page.
- 3. On the **Edge Devices** page, click the relevant **SGC500**.
 - └ The "Edge Device Details" page is displayed.
- 4. In the "Field Gateways" section, click **Create**.
 - └ The "Create Field Gateway" page is displayed.
- 5. Select the field gateway type.
- 6. Enter the settings for the field gateway.
- 7. Save the settings by clicking **Save**.
- 8. Wait for the settings to update.
- 9. Use **F5** to refresh the list of edge devices.
 - The SGC500 is displayed with a green dot.
 The configured field gateway is connected to the SGC500.

10. Repeat these steps if an additional field gateway is required.

└ The SGC500 is now ready for use with Netilion Services.

10.6 Connecting to the EtherNet/IP

This section is not applicable to fieldbuses that are connected to the SGC500 via a field gateway.

Requirements

- Access to Endress+Hauser Netilion is established.
- The SGC500 is connected to the Netilion Cloud.
- 1. Log in to Endress+Hauser Netilion https://netilion.endress.com/app/id/.
- 2. Use the navigation in Netilion to open the **Edge Devices** page.
- 3. On the **Edge Devices** page, click the relevant **SGC500**.
 - └ The "Edge Device Details" page is displayed.
- 4. Click Edit.
 - └ The "Edit Edge Device" page is displayed.
- 5. In the "EtherNet/IP Activation Status" section, change the status to Activate.
 - ← The Ethernet field network is configured to connect to the SGC500. The SGC500 is now ready for use with Netilion Services.

10.7 Connecting to PROFINET

This section is not applicable to fieldbuses that are connected to the SGC500 via a field gateway.

Requirements

- Access to Endress+Hauser Netilion is established.
- The SGC500 is connected to the Netilion Cloud.
- 1. Log in to Endress+Hauser Netilion https://netilion.endress.com/app/id/.
- 2. Use the navigation in Netilion to open the **Edge Devices** page.
- 3. On the **Edge Devices** page, click the relevant **SGC500**.
 - └ The "Edge Device Details" page is displayed.
- 4. Click Edit.
 - The "Edit Edge Device" page is displayed.
- 5. In the "PROFINET Activation Status" section, change the status to Activate.
 - └ The Ethernet field network is configured to connect to the SGC500. The SGC500 is now ready for use with Netilion Services.

11 FieldEdge SGC500 and Netilion

11.1 Using the FieldEdge SGC500 in Netilion

The following connections are possible:

- Netilion Services or
- Netilion Connect

Netilion Services

For detailed information on Netilion Services, see https://netilion.endress.com

Netilion Connect

- For detailed information on Netilion Connect, see
 - For documentation for accessing field device data via API, see https://developer.netilion.endress.com/discover
 - For documentation for accessing field device data via API, see https://api.netilion.endress.com/doc/v1/ or QR code.



Information for accessing field device data via QR code.

11.2 About Netilion

Netilion is Endress+Hauser's IIoT ecosystem that allows smart and networked applications in the Industrial Internet of Things. Cutting-edge and secure Internet technologies enable these digital services, combined with the technologies of industrial production processes. All our Netilion Services are easy and straightforward to put into operation.

More information about Netilion	Netilion Help
netilion.endress.com	help.netilion.endress.com

12 Maintenance

Remove dirt from the housing regularly.

Observe the following when cleaning:

- Use a damp cloth
- Do not use chemical additives
- No local maintenance is necessary, as updates run automatically in the background.

13 Diagnostics and troubleshooting

13.1 Troubleshooting

Fault	Troubleshooting
The FieldEdge does not appear in the Netilion Cloud	 Check Internet connection Check Ethernet cable connection → [●] 16 Check IP settings of the FieldEdge Check firewall
The FieldEdge appears in the Netilion Cloud, but no field data are transmitted.	Check field network connectionCheck settings for field gateway

For detailed information on Netilion Connect, see: For documentation for accessing field device data via API, see: https://developer.netilion.endress.com/discover

Proceed as follows if you cannot rectify the fault in accordance with the table:

- 1. Log into Netilion.
- 2. Create a support ticket via Netilion. Netilion > Select a service > Netilion > Main menu > Support Create a ticket
 - In the support ticket is sent to Endress+Hauser Service.
 Endress+Hauser Service analyzes the error and determines the required measures.
 If Endress+Hauser Service establishes that the FieldEdge is defective, proceed as follows →
 25.

13.2 The FieldEdge is defective

Endress+Hauser Service has discovered that the FieldEdge is defective and needs to be replaced. Endress+Hauser Service sends a preconfigured replacement device.

Furthermore, you will be asked to return the defective FieldEdge to Endress+Hauser or destroy and dispose of the defective FieldEdge.

If the FieldEdge is defective, proceed as follows:

- 1. Following instruction from Endress+Hauser Service, delete the access data from the FieldEdge to the Netilion Cloud for the defective FieldEdge.
- 2. In Netilion, clear or reset the data on the following pages: "Network Interface Details", "Field Gateways" and/or "EtherNet/IP Activation Status"

- 3. Depending on the instructions from Endress+Hauser Service: Return the defective FieldEdge immediately to Endress+Hauser or destroy and dispose of it.
- **4.** Connect, configure and commission the new FieldEdge in accordance with the Operating Instructions.

We recommend you delete your access data/user data from the FieldEdge if you have to take the FieldEdge out of operation due to a fault. You will prevent misuse of your data by deleting it.

14 Software updates

Software updates are an integral part of Netilion Services and are automatically transmitted to the SGC500. Interaction or approval by the user is not required.

You can determine the software version of the FieldEdge as follows: The software version currently loaded in the FieldEdge is displayed in the Netilion account with the SGC500 details of the relevant SGC500.

15 Serial number of SGC500

Please enter the serial number of your FieldEdge in the field.

16 Repairs

16.1 General information

Do not perform repairs on the device. Contact Endress+Hauser Service in the event of a problem or malfunction.

Suggestion: Do not carry out repairs on the device.



16.2 End the Netilion service subscription

To protect your data and/or your system from access, we recommend you scrap the FieldEdge. To do this, we recommend you proceed in accordance with the following guidelines: NIST Special Publication 800-88, Revision 1: Guidelines for Media Sanitization

If you do not want to scrap the FieldEdge, we recommend you delete the software from the FieldEdge immediately. Contact Endress+Hauser Service for further information.

After consultation with Endress+Hauser Service, you can return the FieldEdge.

16.3 Return

Please consult with Endress+Hauser Service before returning the device to Endress+Hauser.

It may be necessary to return the device in the following cases:

- The FieldEdge is defective $\rightarrow \cong 25$
- You have ended the Netilion service subscription \rightarrow \cong 27

16.4 Disposal

Proceed as follows if you have to dispose of the FieldEdge:

- 1. After being instructed by Endress+Hauser Service, delete the access data from the FieldEdge to the Netilion Cloud from the defective FieldEdge.
- 2. In Netilion, delete or reset the data on the following pages: "Network Interface Details", "Field Gateways" and / or "EtherNet/IP Activation Status"
- 3. Destroy the defective FieldEdge and dispose of it. Observe the following instructions.
- We recommend you delete your access data / user data from the FieldEdge if you have to dispose of the FieldEdge. By deleting your data, you are preventing any improper use of your data.
 - Before you dispose of, or scrap, the FieldEdge, we recommend that you proceed in accordance with the following guideline: NIST Special Publication 800-88, Revision 1: Guidelines for Media Sanitization



As required by the Directive 2012/19/EU on waste electrical and electronic equipment (WEEE), Endress+Hauser products are marked with the depicted symbol in order to minimize the disposal of WEEE as unsorted municipal waste. Such products may not be disposed of as unsorted municipal waste and can be returned to Endress+Hauser for disposal under the conditions stipulated in the General Terms and Conditions or as individually agreed by Endress+Hauser.



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