

Getting Started - netFIELD IO-Link Wireless Master DVD 2021-09-1

First Steps

For a detailed instruction how to set up your netFIELD Device IO-Link Wireless Master, please follow the chapter "Getting Started" in the User Manual.

→ ...\\Documentation\\User_Manuals\\...

Mounting

- Mark the positions to fasten the device with screws and cut the M4 holes.
- Fasten the device with the screws.
- Ground the device.
- Mount all three SMA antennas.

Connecting and booting

- Connect the Ethernet M12 cable to the NFD-3090-EIS-IOLM\\W device and to the PLC (EtherNet/IP Scanner).
- Connect the +24 V DC SELV or PELV power supply to the NFD-3090-EIS-IOLM\\W device.
- Connect the +24 V DC SELV or PELV power supply to the sensor/actuator.
- Switch on the power supply units of the device and of the sensors/actuators.

Commissioning PROFINET IO Device

- Configure the PROFINET IO-Controller: Import the GSDML file:
...\\Firmware_&_EDS\\DeviceDescription\\Profinet\\... GSDML-V2.35-HILSCHER-NETFIELD-WIRELESS-EXPERT-20210707.xml
- This file is to be used if settings of the „Wireless Master Parameters“ are made using the configuration software of the PROFINET IO-Controller.
...\\Firmware_&_EDS\\DeviceDescription\\Profinet\\... GSDML-V2.35-HILSCHER-NETFIELD-WIRELESS-PDCT-20210623.xml
- This file is to be used if settings of the „Wireless Master Parameters“ are made using the netFIELD Web Server.
- Create the configuration project with PROFINET IO-Controller and PROFINET IO-Device, select the modules and submodules and set the parameters.
- Configure the IO-Link Wireless Master NFD-3090-PNS-IOLM\\W using the Web Server.
- Configure the port parameters via the PROFINET IO-Controller or using the Web Server.
- Configure the IO-Link sensors/actuators.

Commissioning EtherNet/IP Adapter

- For the first commissioning, the NFD-3090-EIS-IOLM\\W device requires a DHCP server.
Configure the EtherNet/IP Scanner: Import the EDS file:
...\\Firmware_&_EDS\\DeviceDescription\\EtherNetIP\\... HILSCHER-NETFIELD-WIRELESS-V2.1.EDS

- Create the configuration project with EtherNet/IP Scanner and EtherNet/IP Adapter, select the connection and set the parameters.
- Configure the IO-Link Wireless Master NFD-3090-EIS-IOLM\W using the Web Server.
- Configure the port parameters via the EtherNet/IP Scanner or using the Web Server.
- Configure the IO-Link sensors/actuators.

Documentation

Documentation for all hard- and software components included in this Product DVD is available on the path: ...\\Documentation\\...

The Documentation Library on the Hilscher Knowledgebase includes further documents:

<https://kb.hilscher.com/display/DL/Documentation+Library+Home>

Support

In case of questions, please do not hesitate to get in touch with your local Hilscher Support.

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