

Shaping the power of the future

Installation Guide

Master Gateway Controller Installation

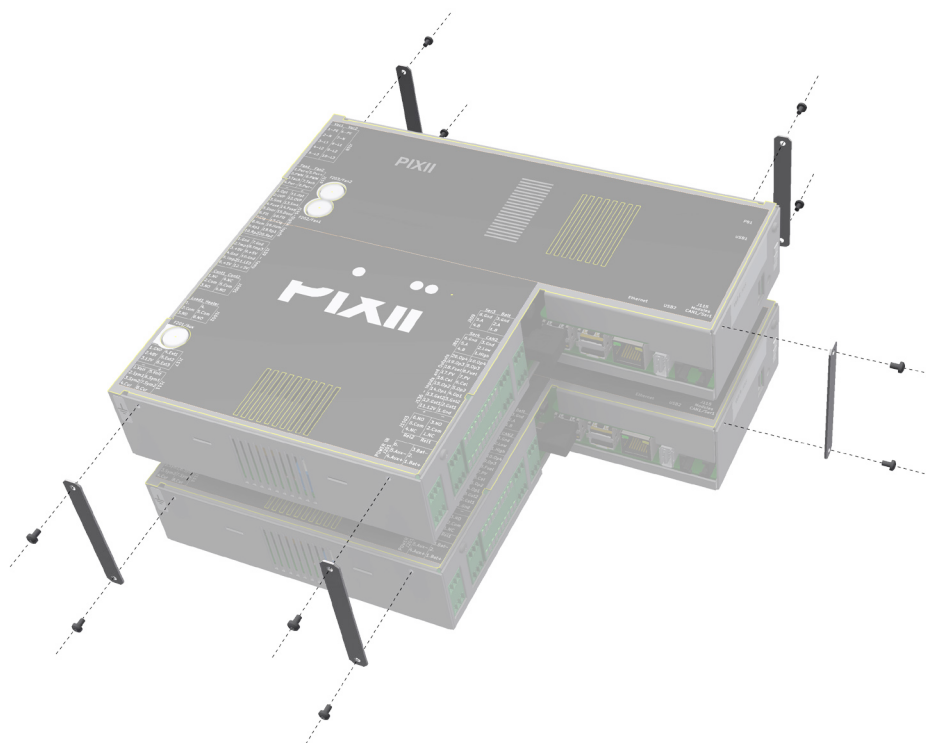


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| Revision | Date | Comment |
|----------|------------|---------|
| 0.1 | 2022-08-25 | Initial |

1 Introduction

Master Gateway controller is dedicated to secure data collection and communication with slave and switch cabinets.

The Gateway in the master cabinet/unit must have the “Multicabinet role” defined as “Master”.

This is a Gateway that does not have active converters and batteries connected to it. This is suitable for larger multicabinet systems from 6 – 20 cabinets.

2 Description

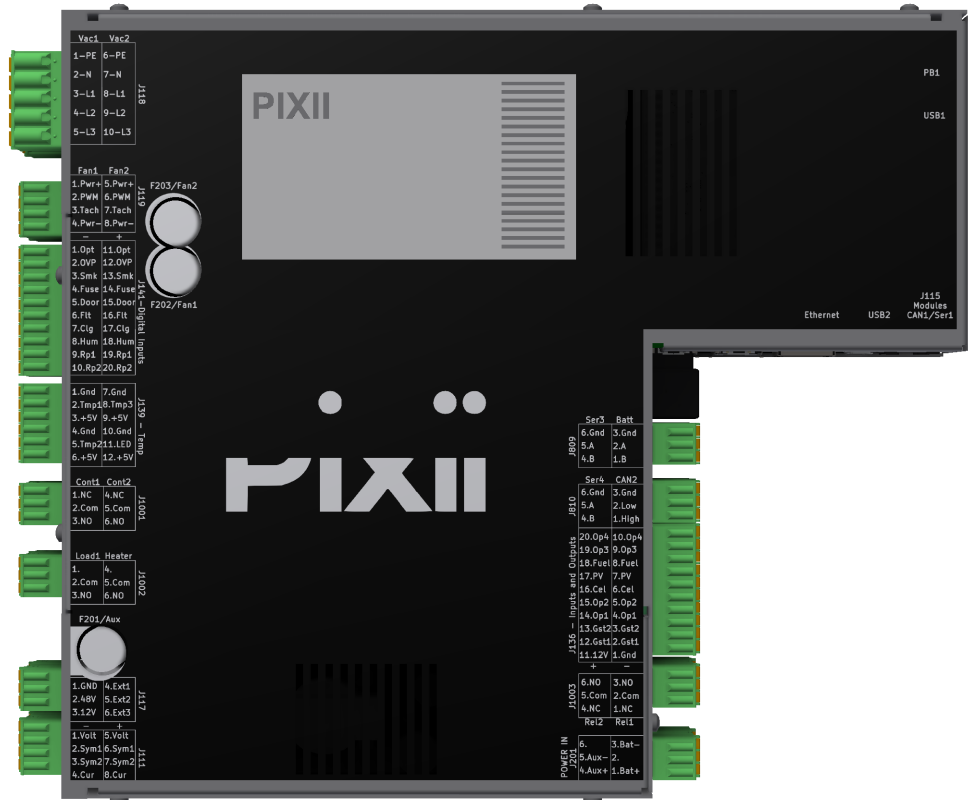


Figure 2.1 Front view

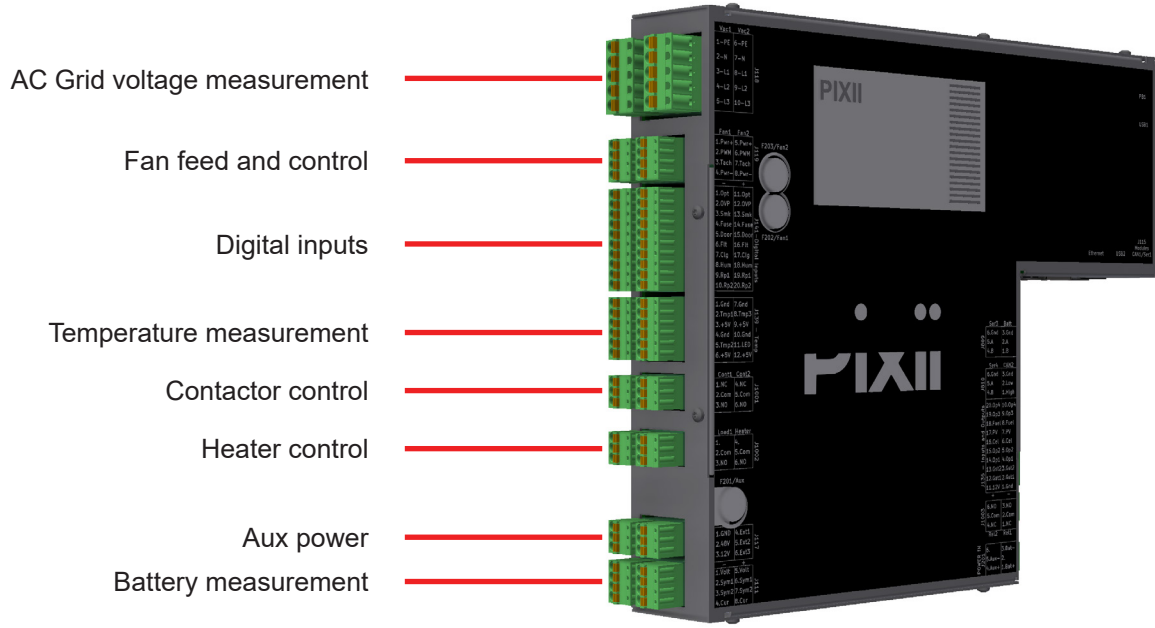


Figure 2.2 Left side view

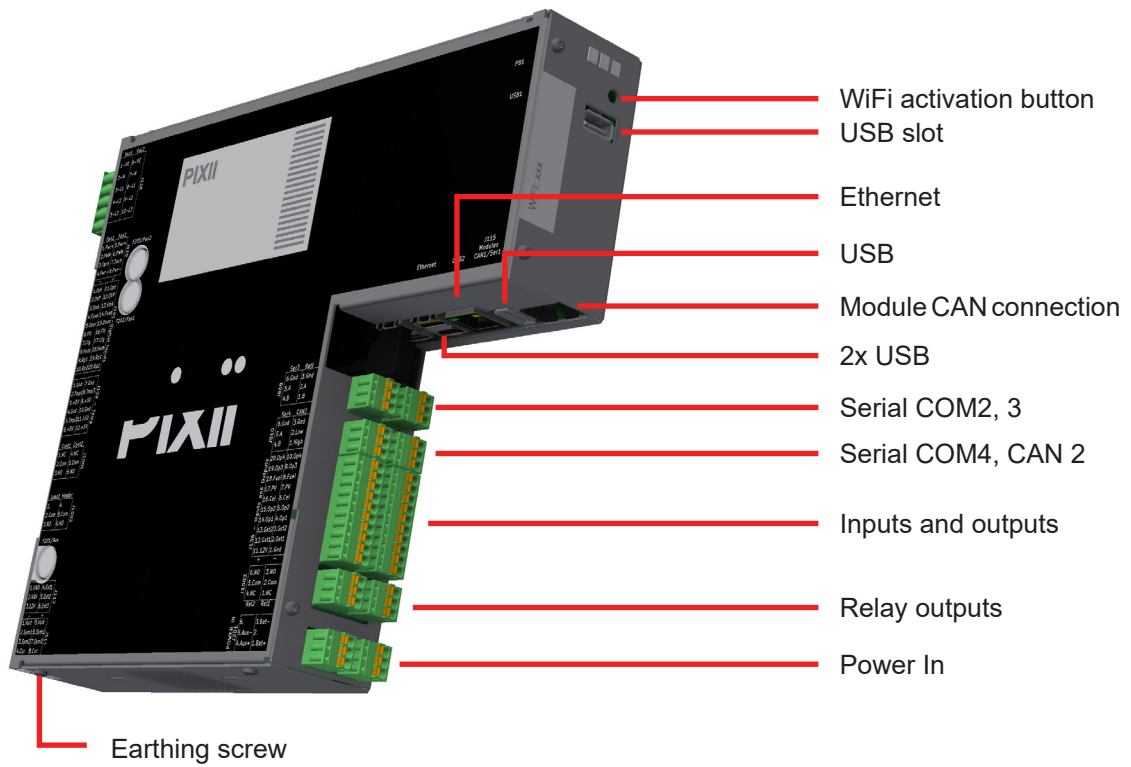


Figure 2.3 Right side view

Remove fixing brackets.

Remove 4x fixing brackets (2x on the top, 2x on the bottom) by releasing M4x10 torx screws.

Extract control unit.

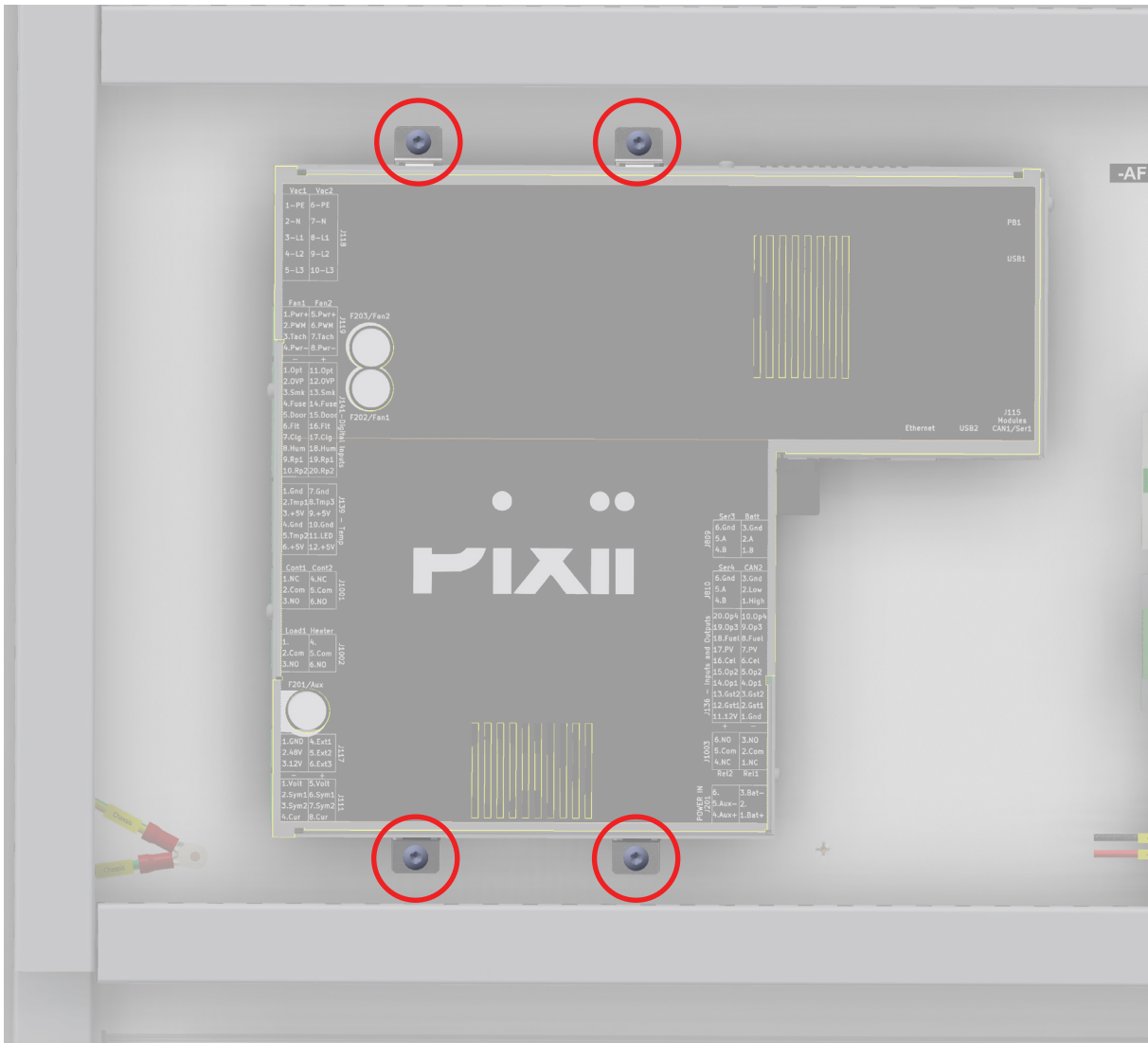


Figure 3.2 Removing the unit.

NOTE:

Replace MAC address label from bottom Gateway from front side to the right side.



3.1.1 Assemble

Mount second control unit to the first. Put second control unit (master) under the origin unit and fix them with 5x mounting brackets (2x on the top, 2x on the bottom and 1x on the side) and 10x M2.5x4 torx screws, that are binding together the top cover and the chassis.

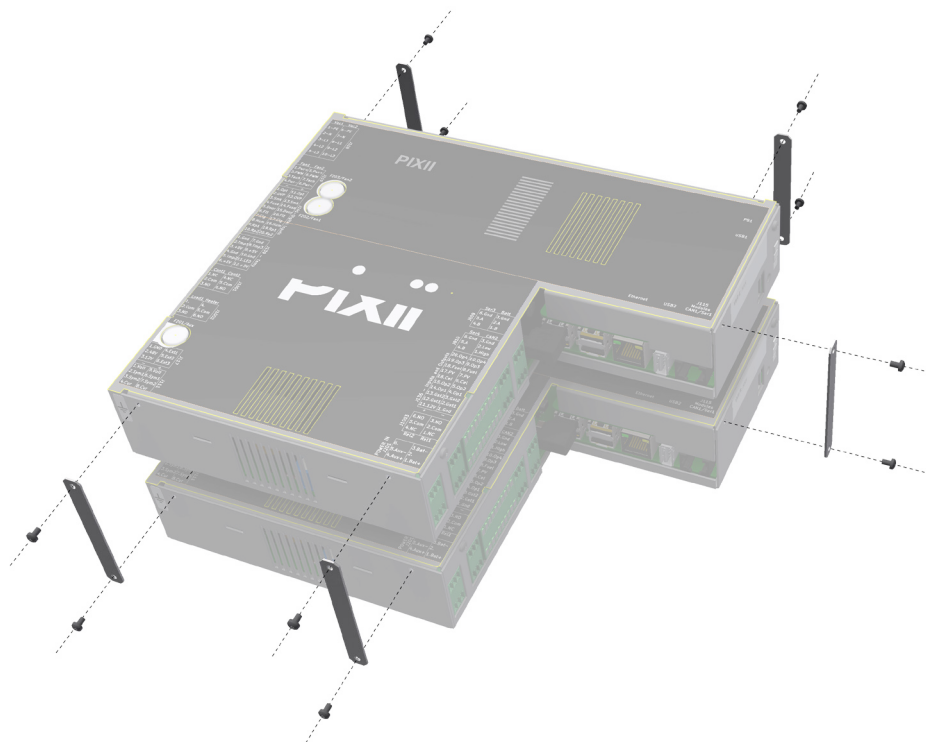


Figure 3.3 Assembling the 2nd unit

3.1.2 Inserting

Mount assembly of two control units to the origin position on the door and fix it with 4x fixing brackets (2x on the top, 2x on the bottom) with 4x M4x10 torx screws.

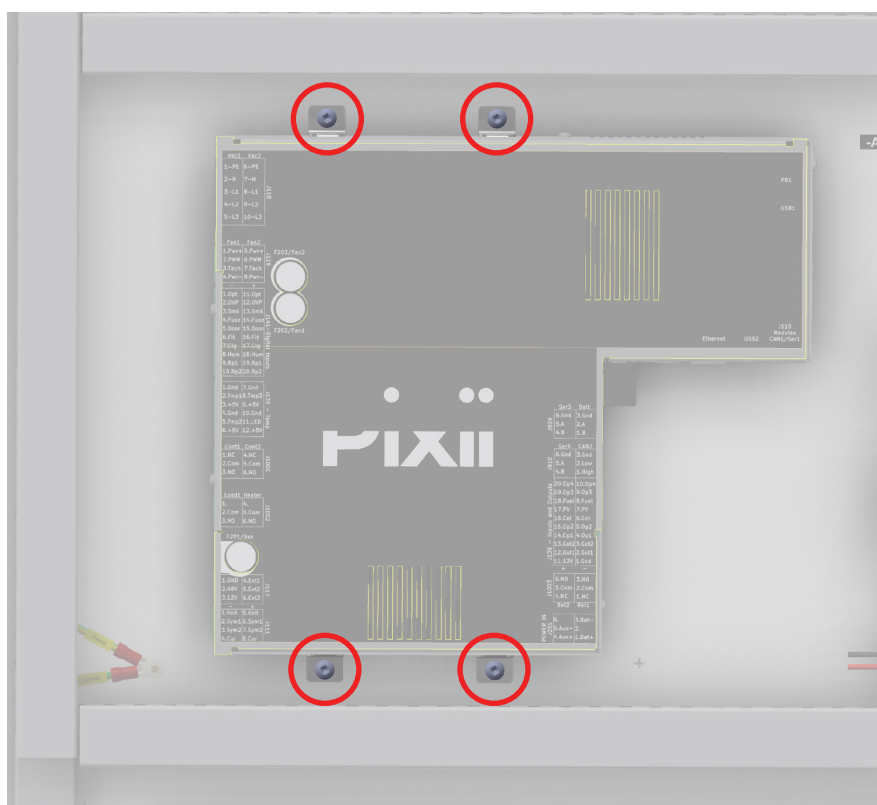


Figure 3.4 Inserting the assembly

4 Electrical installation

4.1 Protective earth

Connect existing PE cable (-AF1:Chassis), removed in chapter 3.1.
For fixing to the Gateway assembly, use longer (M2.5x6 torx) screw.

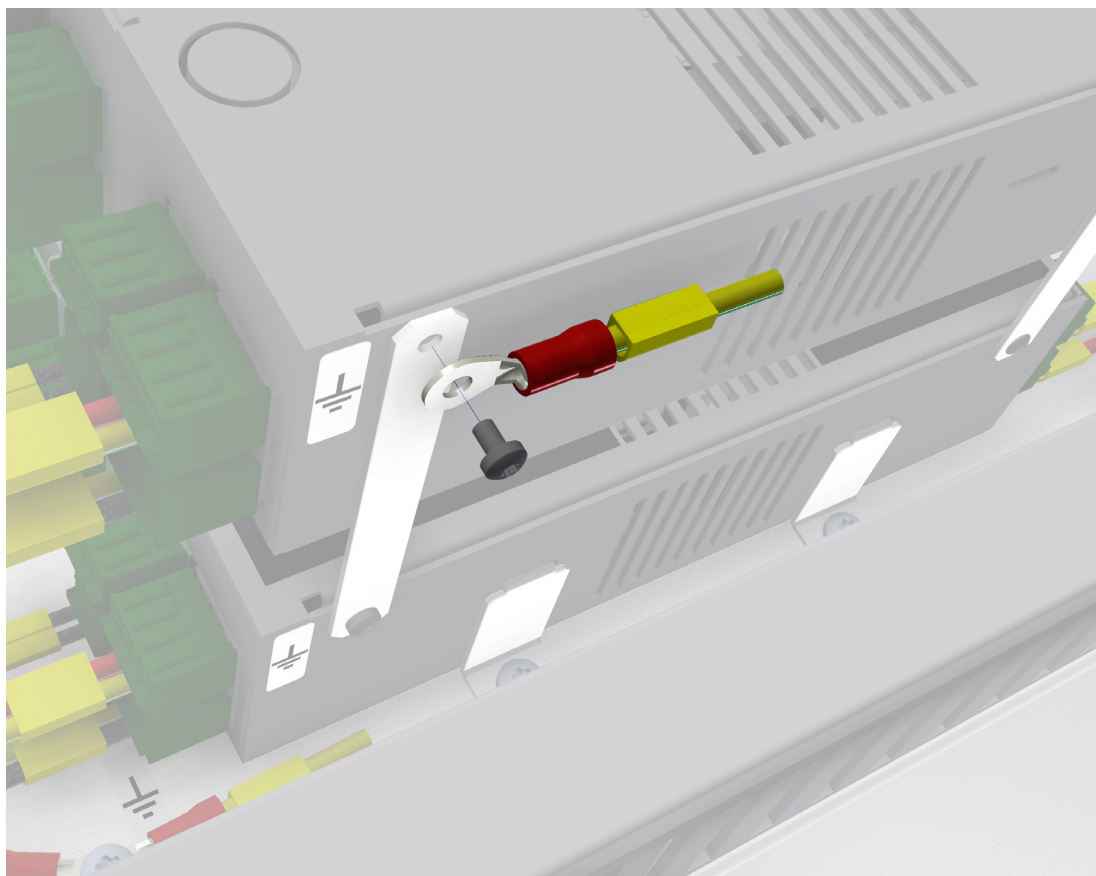


Figure 4.1 Connecting the earthing cable

4.2 Power cables

Connect attached cables to the existing power cables (-AF1:J201:1, -AF1:J201:3) using splice and connect them to the additional Gateway controller terminal -AF2:J201:1 and -AF2:J201:3.

Using the same technique, connect attached cables to the existing power cables from power supply (-AF1:J201:4, -AF1:J201:5) and connect them to the additional Gateway controller terminal -AF2:J201:4 and -AF2:J201:5.

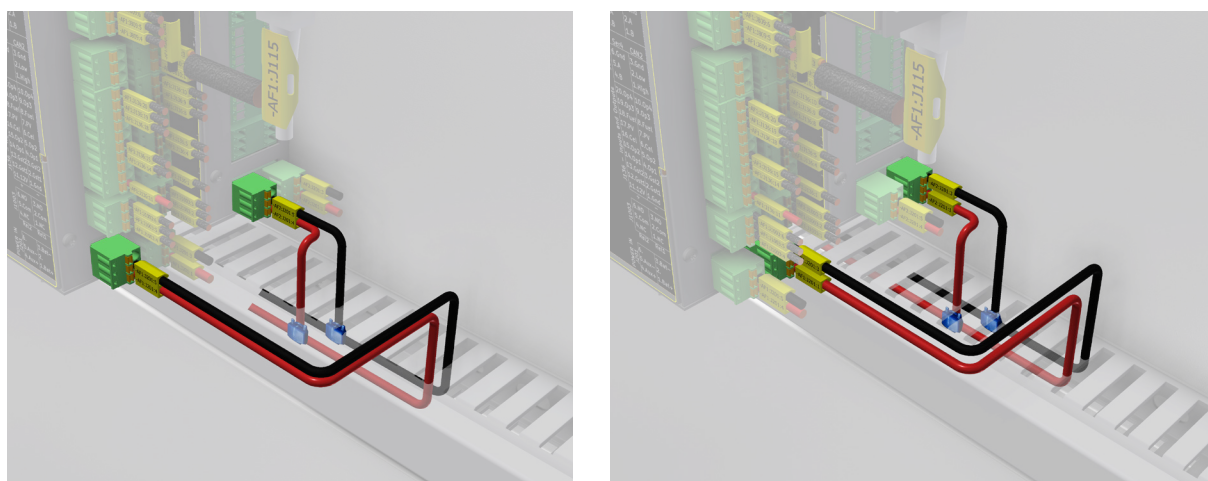


Figure 4.2 Connecting the power cables

4.3 Slave Gateway connections

Insert back:

All green connectors to their origin position in the slave (top) control unit.

4G router USB cable

Ethernet

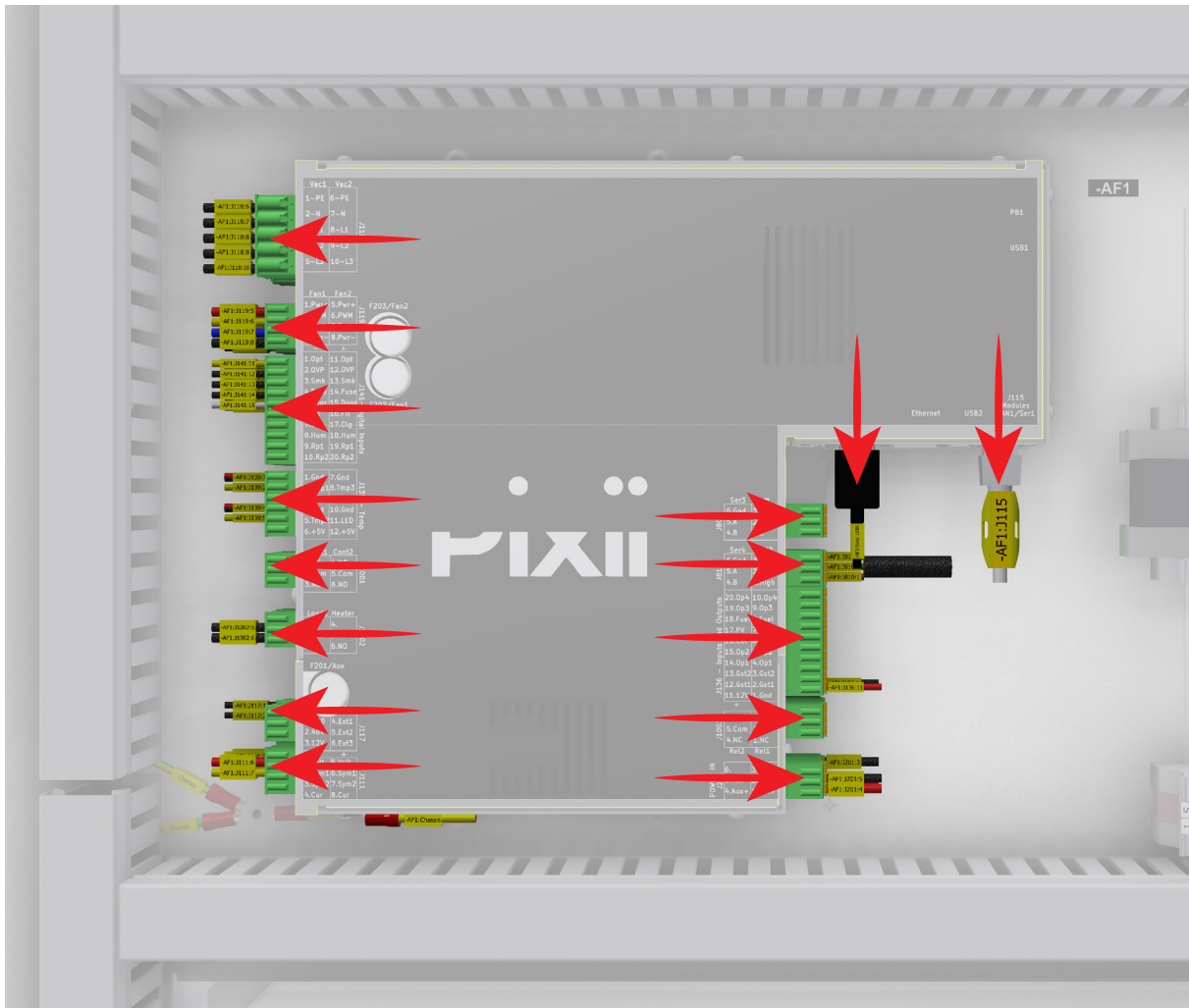


Figure 4.3 Connecting the connectors and 4G router

4.4 Ethernet

Insert attached ethernet cable to the additional Gateway. Route cable through the trunks and use 3x sticky cable holders when the cable is out of the trunks. Second end of the cable insert to the free slot in the switch.

NOTE:

If the system does NOT contain switch, route cable through the cable glands to the external switch.

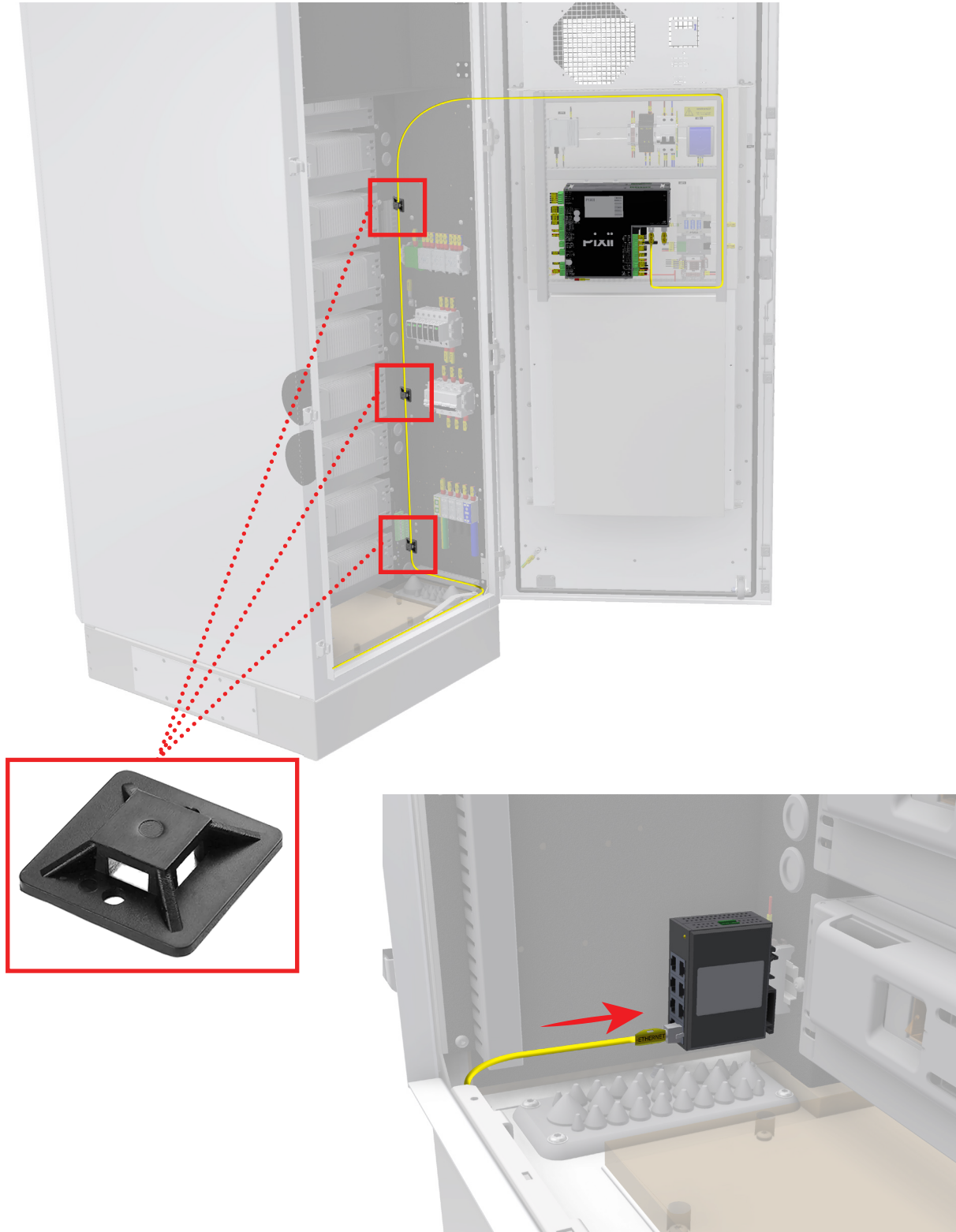


Figure 4.4 Connecting the ethernet cable

5 Configuration

For proper function of 2nd Gateway, see configuration guides or contact Pixii for detailed information.

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