Commissioning Guide Moving Subnets

Use with Viessmann Vitotronic NR2 controls with LonMaker® based building automation system software



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IMPORTANT

Note:

This guideline provides necessary information to assist in the setup of LonMaker® software to access Viessmann LON system. This information is purely a supplement to the information provided by LonMaker® and Viessmann. It should only be used by those familiar with the product and processes required for commissioning of these systems.

More Viessmann control information can be found in the LON Handbook available from Viessmann or download from www.kwe-tech.com documentation web page.

Toolbinding Overview

In the factory default setting, Viessmann control units are bound via self-installation process (Selfbinding or Autobinding). This self-installation process establishes all necessary connections for data exchange between Viessmann control units. This, however, does not cover the entire range of requirements.

Specifically, the following requirements cannot be covered by the selfbinding process:

- If data must be exchanged between Viessmann control units and devices from other manufacturers.
- If, in addition to the relay outputs of the control, logical signals of the controls processor should be used via an in-/ output module.
- If, for example, via an external 0-10V analog signal, a heat demand is connected for heat production.
- If Viessmann control units in a system are located on both sides of a router due to long cabling.
- If data exchange between Viessmann control units must take place in a different manner than prescribed by the selfbinding process, e.g. if the outdoor temperatures of three sensors must be distributed to two devices.
- If more than five Viessmann heating plants are installed in a network.
- Other possible requirements

If one of the above requirements applies, the system must be configured via start-up software (toolbinding) such as LONmaker. When configuring the system using LONmaker, all bindings that would have been established by the self-installation process, must be recreated.

Moving Vitotronic Controls to a new Subnet

The information reviewed below provides a brief overview of moving Vitotronic controls to a new Subnet when using LonMaker software..



Move device to another subnet

Original channel n	Original channel name:		-	OK
-Destination Char	nnel			Capca
C Auto-detect				
C	Maria	0.14		
(• Specify:	Name:	Channel 1	<u> </u>	
Destination Cuto	114			Help
-Destination Subi	net			
C Auto-select				
C Create new	subnet			
Specify:	Name:	Subnet_1_1	-	
		Subnet_1_17	~	
		Subnet_1_2	- Service	
-State of Devices	s and Route	Subnet_1_3		
Devices		Subnet_1_4		
0.0.0		Subnet_1_5		
(• Online		Subnet_1_6		
C Offline		Subnet_1_7		
C Dashaus		Subnet_1_8		
Restore		Subilet_1_a		

T Unctional Diocks	Address Table Network Variable Config Extension Record
Attributes Ident	tifiers Basic Properties Advanced Properties Self-documentation
Device name:	GC1
Handle:	4
Subnet/node ID:	9/3
Subnet name:	Subnet_1_9
Neuron ID	
Current:	001211123300
Pending:	001211123300

Note: LonMaker has assigned subnet 9 and node id 3 to the control.

Power cycle the control by turning OFF and back ON.

Verification control in Tool Binding

Check whether the control is in tool-binding or self-binding mode

Press the 🖞 and 🎹 🕇 buttons simultaneously for 2 seconds to enter diagnosis level.



Scan code 0 will show whether the control is in self- (auto-) binding mode or tool-binding mode.



Scan code 0: Note the last digit shows a value of 1 for tool binding mode



Scan code 1: Note the scan code shows a subnet of 9 and a node id of 3

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