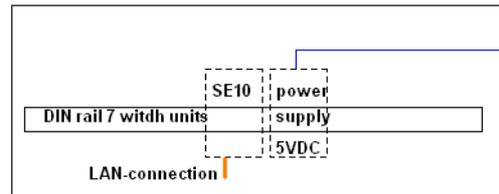


## SF-Care System: Preparation Electrical Installation FM

**SensFloor electrical installation in the room (version flush-mounted power supply and flush-mounted on/off switch)**



Preparation before SensFloor is installed:  
Switch-box with DIN rail (min. 7 width units free) and plastic door or backside (radio!)  
110/230VAC mains, network connection.  
Optional: free inputs for the connection to building-automation or indoor call system.

230/110VAC cable with earth

Preparation before SensFloor is installed:

Flush-mounted switch box D:60, T:41mm for on/off switch (e.g. key switch).

Empty conduit EN16 from double flush-mounted switch box to upper switch box for on/off switch

Flush-mounted double switch box 2x D:60, T:41mm with 230/110VAC cable (N,L,PE) for flush-mounted power supply

Empty conduit EN16 from double switch box to screed level

105cm

30cm

DC-cable (2x 0.4mm<sup>2</sup>) for the power supply of the underlay.

Please note:

Maximal distance between switch box and underlay 20m free field!

SensFloor underlay  
Wireless data communication (868.3/920MHz)

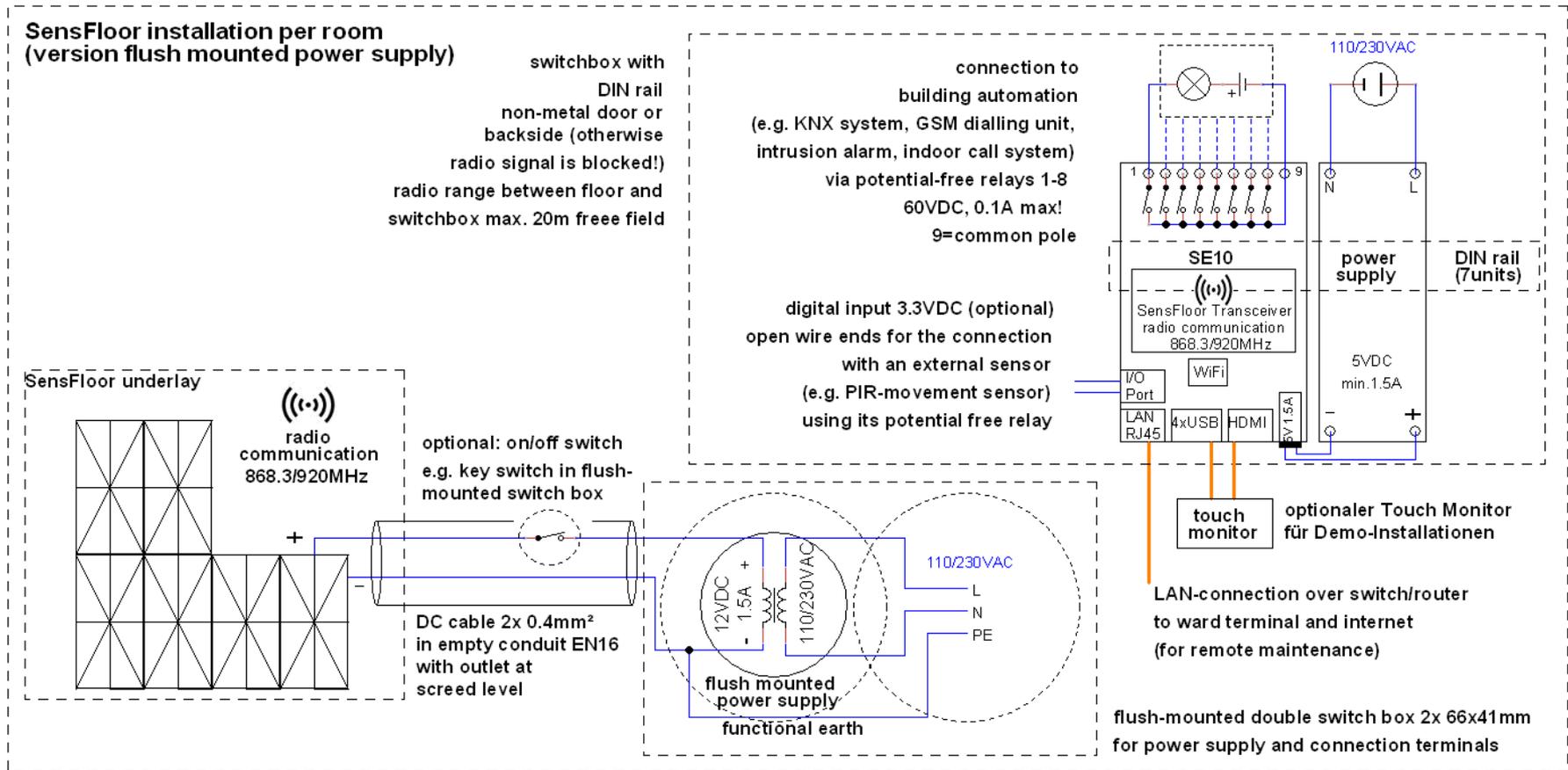
Please note the relevant documents

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- data sheet SE10 room terminal
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- preliminaries by customer
- SensFloor installation manual
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# SF-Care System: Wiring Diagram Room FM



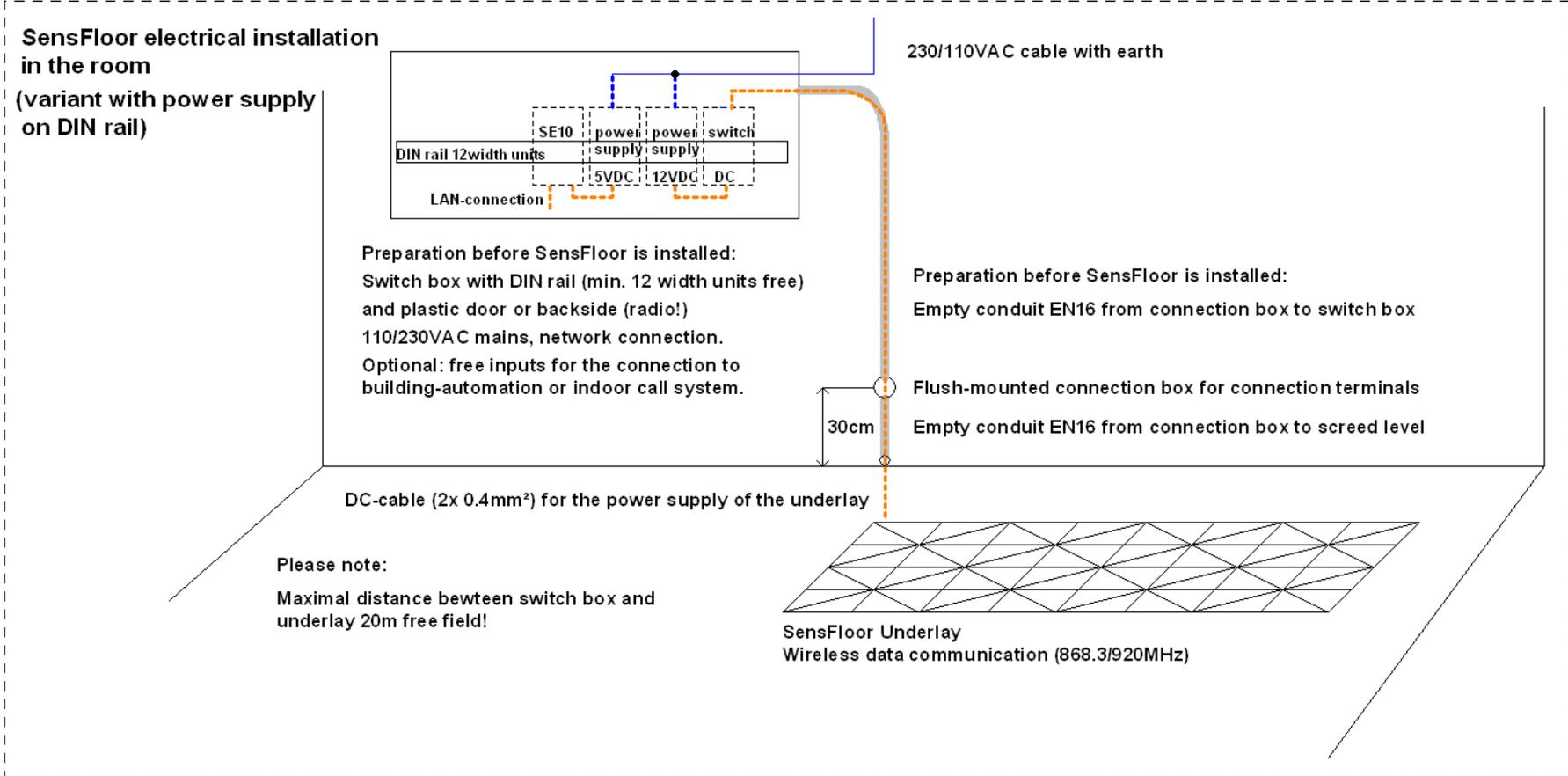
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## SF-Care System: Preparation Electrical Installation DR

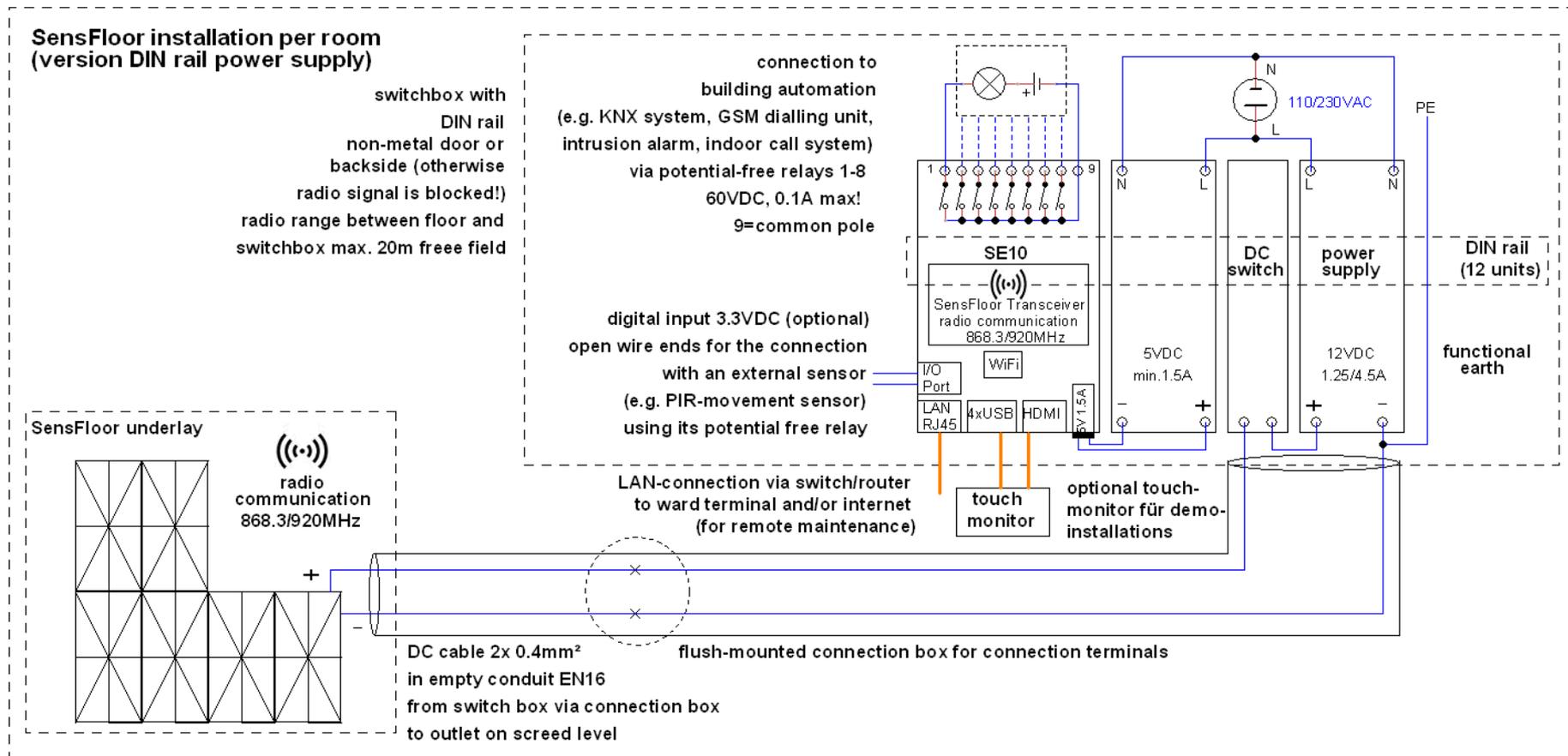


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# SF-Care System: Wiring Diagram Room DR



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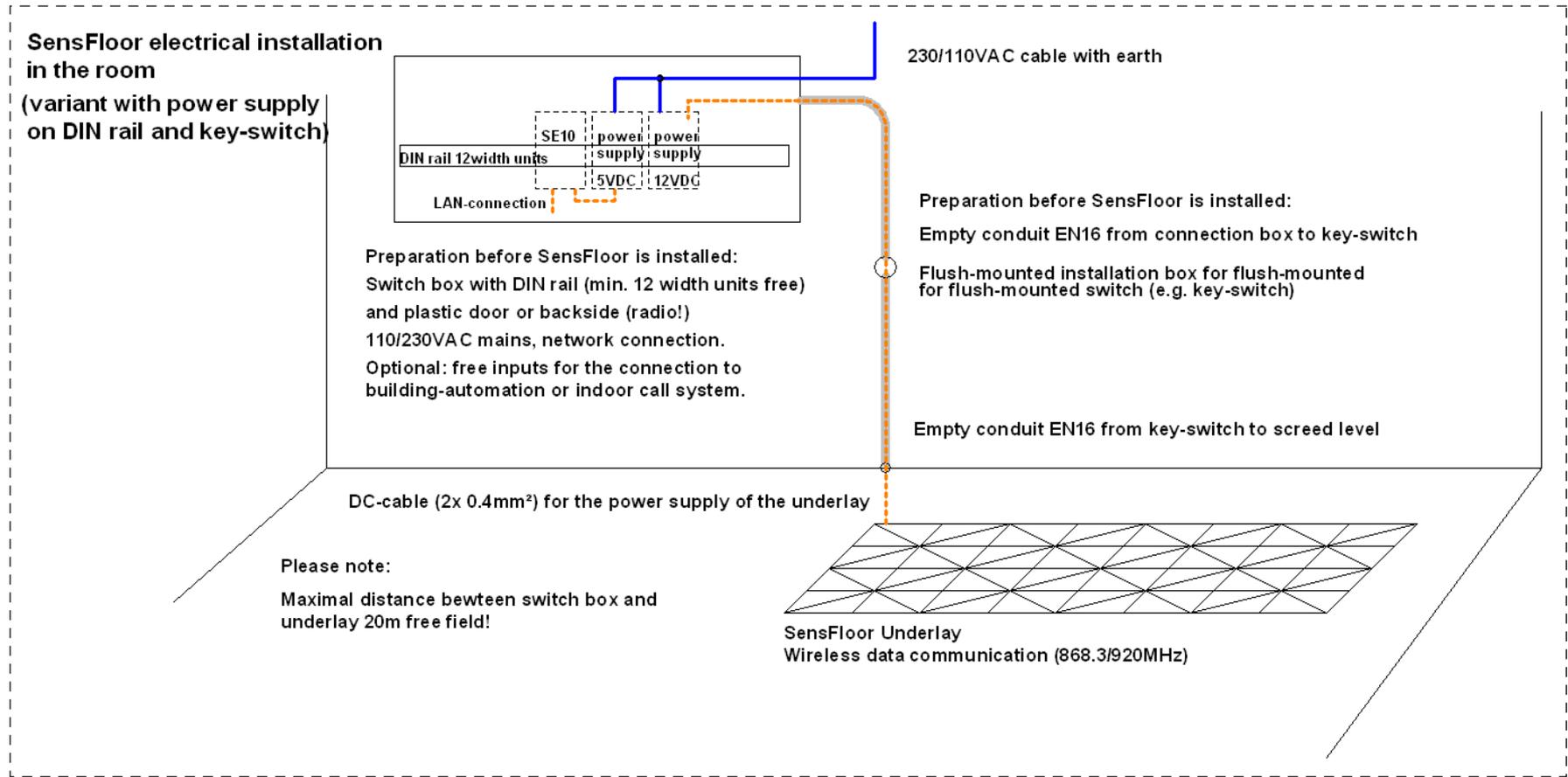
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# SF-Care System: Preparation Electrical Installation DR+KS



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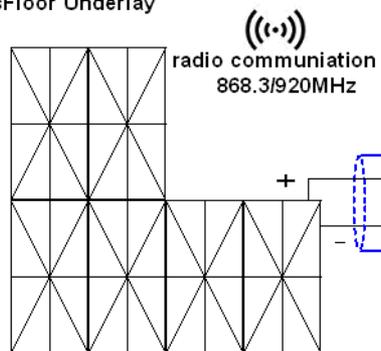
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# SF-Care System: Wiring Diagram Room DR+KS

**SensFloor installation per room  
(version DIN rail power supply  
and key-switch)**

switchbox with  
DIN rail  
non-metal door or  
backside (otherwise  
radio signal is blocked!)  
radio range between floor and  
switchbox max. 20m free field

SensFloor Underlay

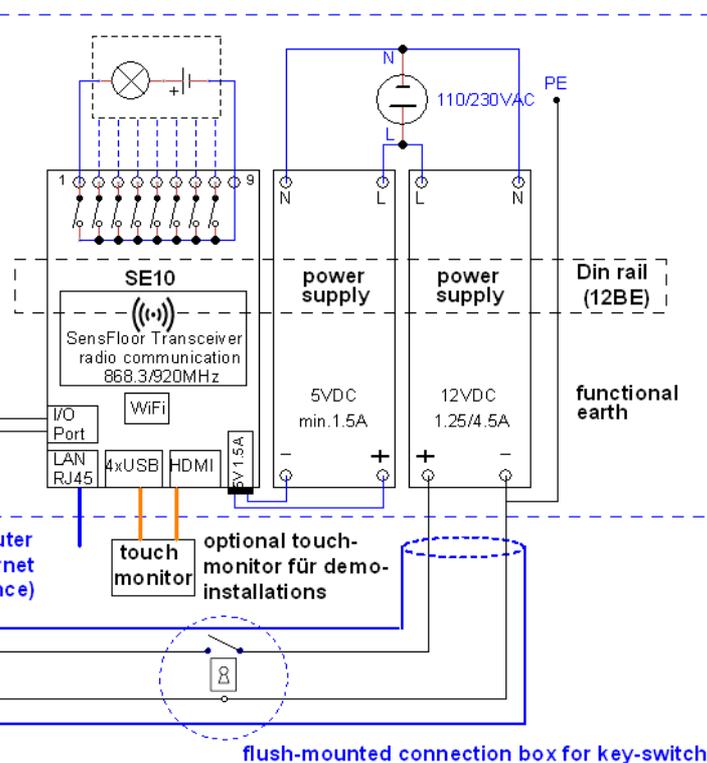


DC cable 2x 0.4mm<sup>2</sup>  
in empty conduit EN16  
from switch box via key-switch  
to outlet on screed level

connection to  
building automation  
(e.g. KNX system, GSM dialling unit,  
intrusion alarm, indoor call system)  
via potential-free relays 1-8  
60VDC, 0.1A max!  
9=common pole

digital input 3.3VDC (optional)  
open wire ends for the connection  
with an external sensor  
(e.g. PIR-movement sensor)  
using its potential free relay

LAN-connection via switch/router  
to ward terminal and/or internet  
(for remote maintenance)



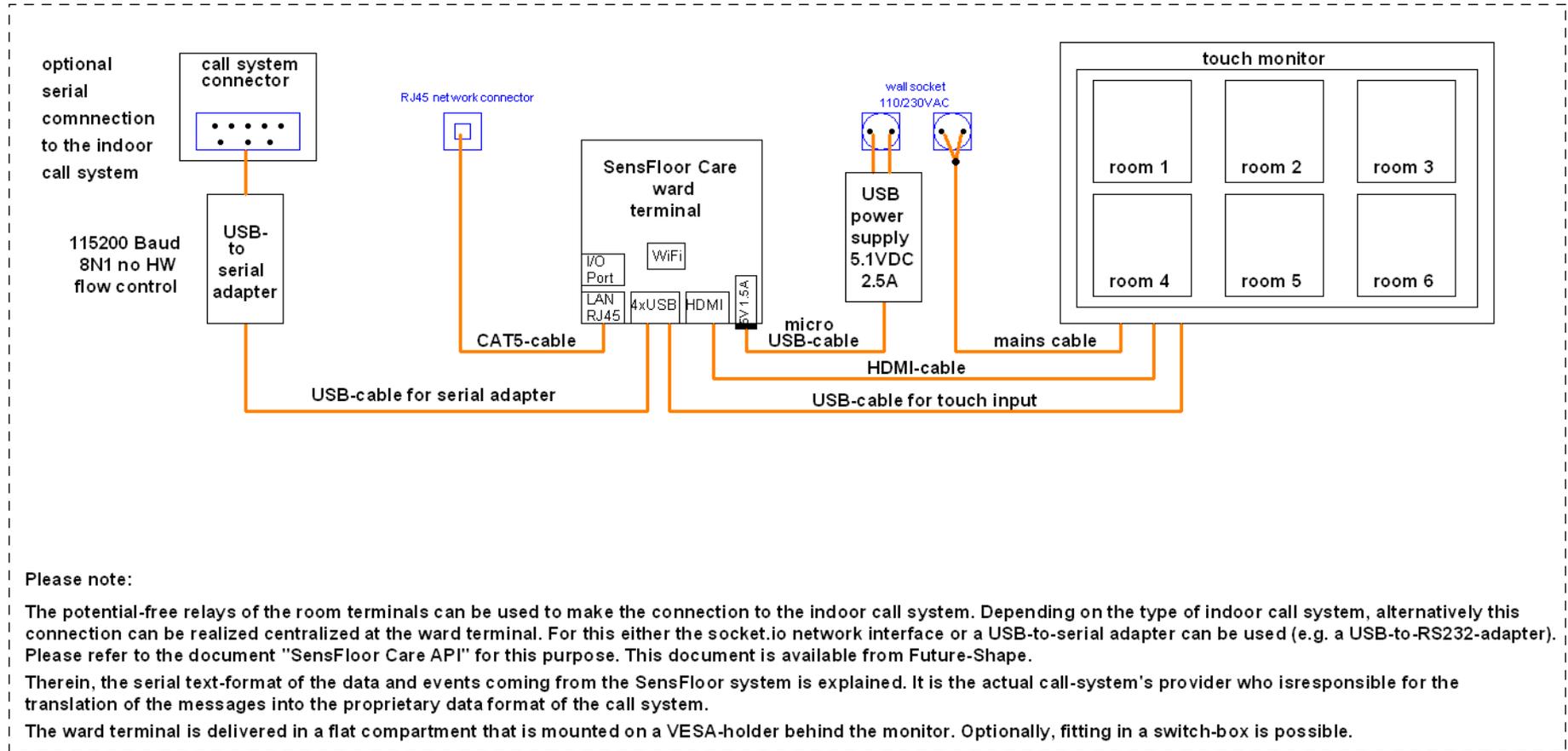
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# SF-Care System: Wiring Diagram Ward Terminal



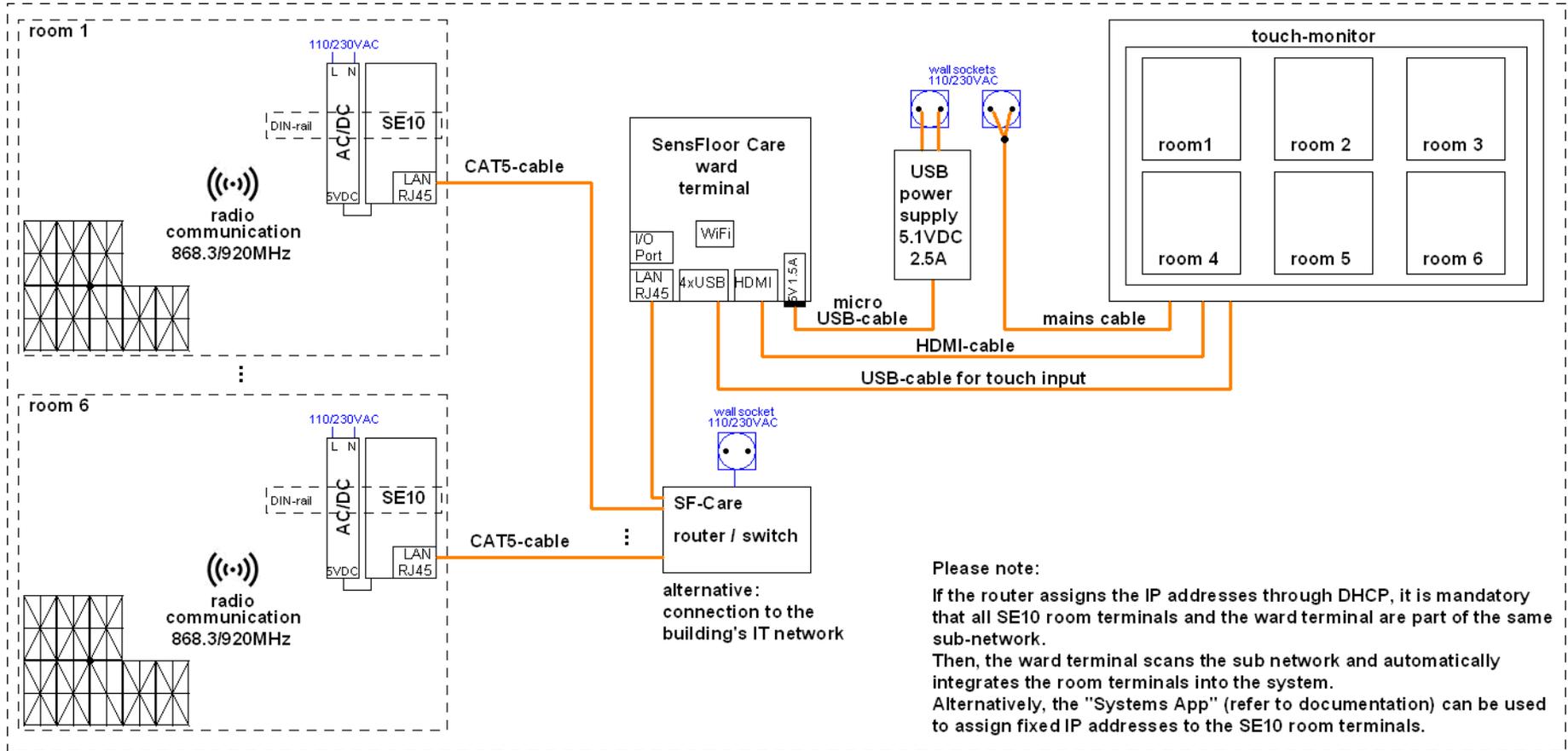
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# SF-Care System: Network-Architecture



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