LARX

UHLÍKOVÉFÓLIE.CZ

TECHNICAL DATASHEET

LARX Carbon Film
LARX-CF100W050S

DESCRIPTION AND KEY FEATURES

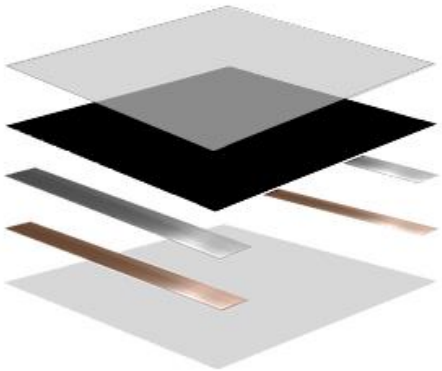
- Carbon film with precise composition
- Built for maximal lifetime directly under flooring
- Low profile for minimal thickness increase of floor construction
- Resistant against heat
- Extremely fast start and regulation
- Direct heating especially in residential buildings
- Especially suitable for passive and low-energy buildings, where accumulation is not desirable
- Suitable for new buildings and reconstructions
- Can be used as main or supplementary heat source
- Does not produce electromagnetic smog (carbon is not a metal)

TECHNICAL DESCRIPTION

Technical parameters of LARX Carbon Film

Carbon Film	LARX-CF100W050S
Voltage	230 V @ 50 Hz
Power	100 W/m^2
Tolerance	±10 %
Film thickness	0,4 mm
Film width	0,5 m
Roll length	100 m
Electrical resistance	1 058 Ω/m
Efficiency	99 %
Maximum operating temperature	40 °C
Maximum structural temperature	60 °C

Description of LARX Carbon Film layers



PET lamination

Carbon

Silver strip

Copper busbar

PET lamination

USAGE

- Direct heating
- Dry installation
- Especially for living rooms
- Only interior use

RECOMMENDED FLOOR COMPOSITION

LARX Carbon Film applied directly under floating flooring

Any flooring with click system (certified for floor heating)

PE film 0,2 mm

LARX Carbon Film

Acoustic insulation

more information at

www.carbon-film.com

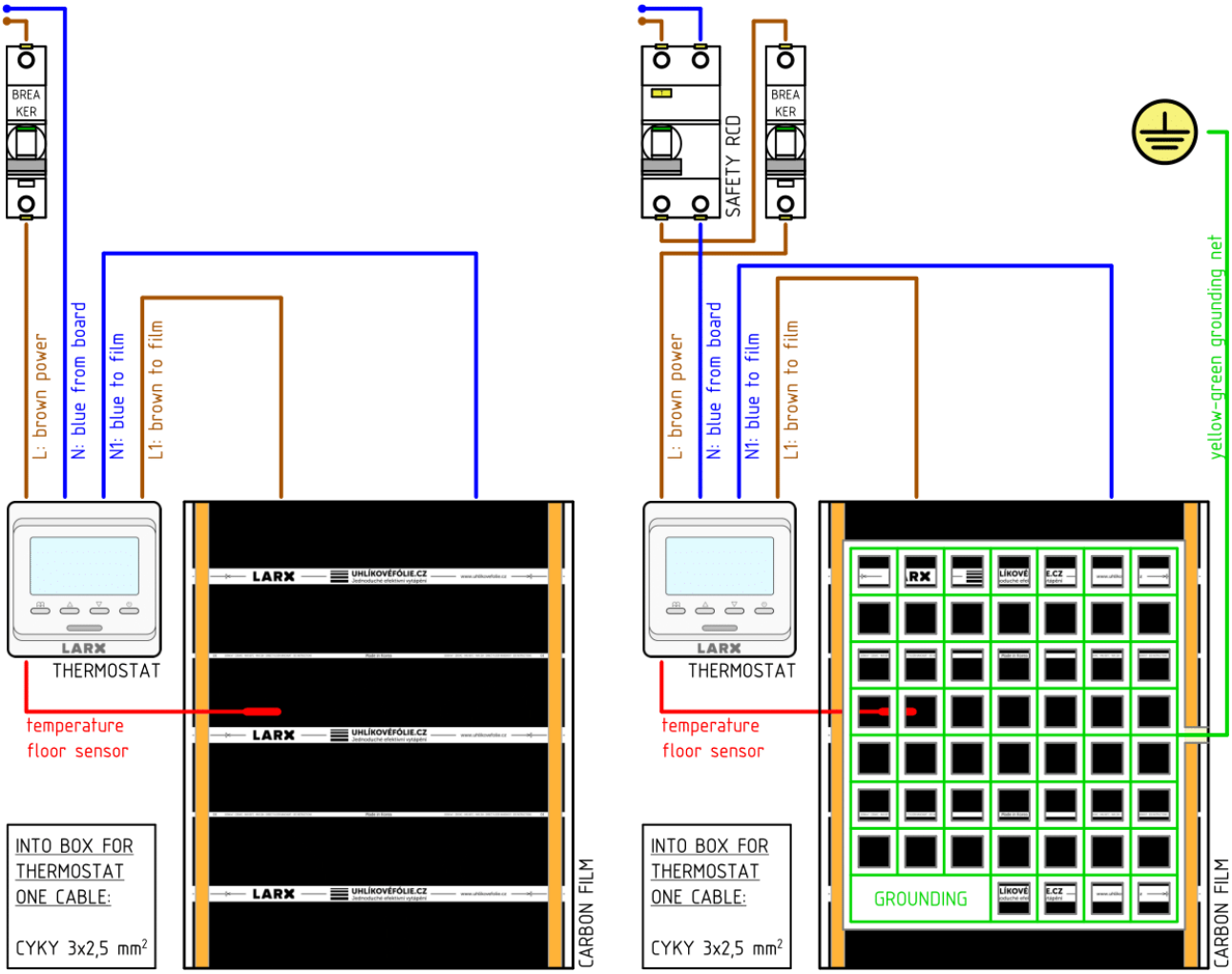
SAFETY INSTRUCTIONS

- Installation and operation of the system must always be in accordance with applicable local safety guidelines and the ČSN and EN standards and in accordance with regulations.
- **LARX CARBON-FILM.COM** instructions and documents are mandatory for installation and operation.
- Any other use of the carbon film / the heating system is prohibited.
- The manufacturer and the supplier are not responsible for damage caused by improper handling, installation and modification of the carbon film structure.

WAY OF CONNECTING

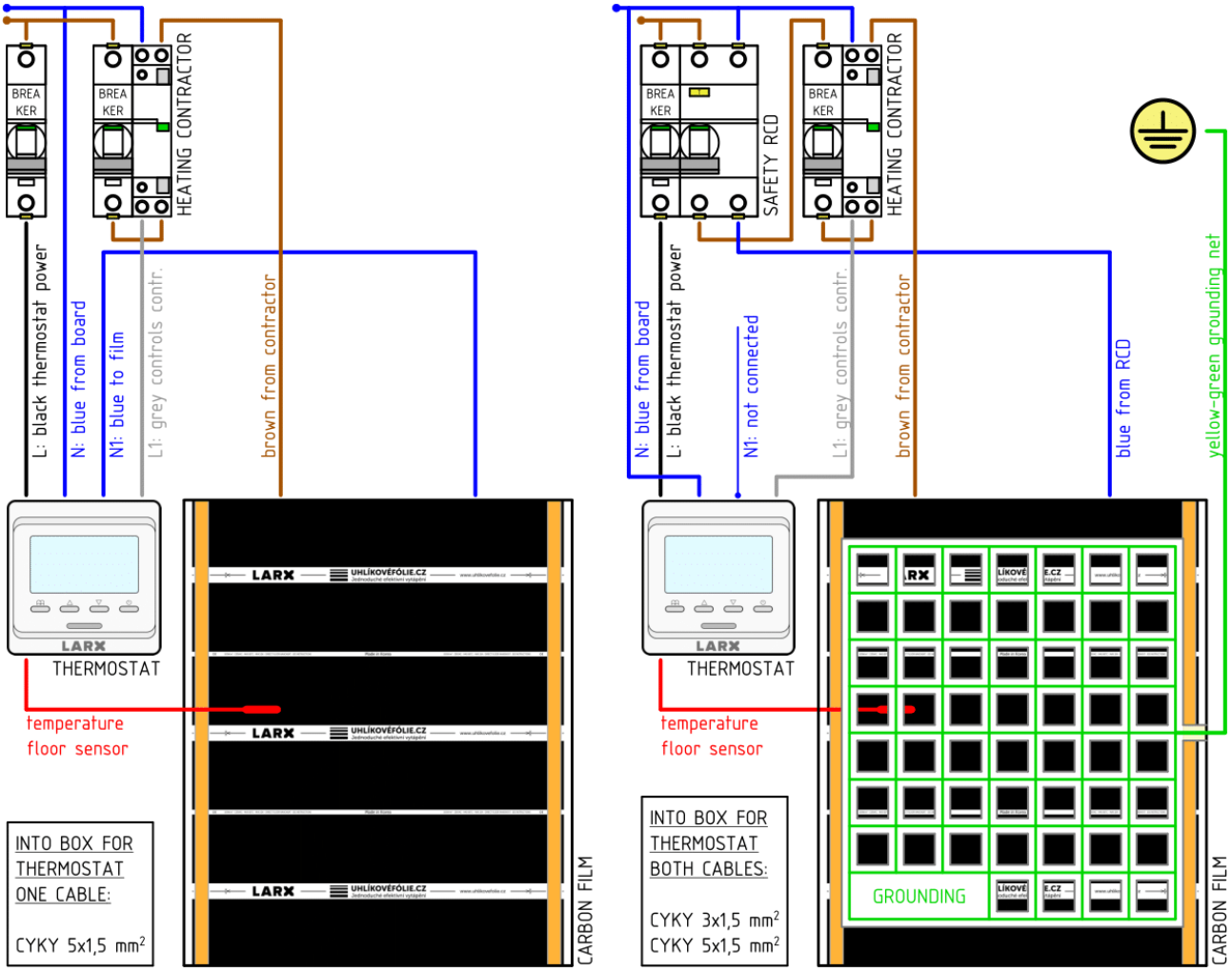
Simple way of switchboard connection

Basic way of connection. Thermostat directly switches carbon film power.



Recommended way of switchboard connection

More complicated but more convenient way of connection. Thermostat only controls contractor in switchboard. The contractor switches carbon film power. The advantage is extended life of the thermostat and more possibilities.



Tech questions

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