

Technical Datasheet sistema LPFT-UP

1. Product description



The adapter sistema LPFT-UP connects LON-FT devices requiring 24VDC supply to a Link Power network.

The adapter is connected to the Pink Power segment on the primary side. On the secondary side, the adapter supplies 24VDC for power supply and an FT connection. With its small dimensions, the adapter also fits into a flush mount box.

The adapter enables the connection of room control units that are to replace previously installed Link Power control units. It can also be used for conversions and extensions of corresponding link power segments. It is therefore ideally suited for the economic implementation of modernisation projects and for continuous maintenance.

2. Mounting and installation

2.1. Mounting

1. Installation in flush-mounted or cavity wall mounting box.
2. The adapter may only be operated on standard LON link power supply units.
3. The 24VDC power supply output delivers a maximum current of 75mA (1.8 VA).



Electrical devices must be assembled and installed by trained personnel only.



Relevant standards, guidelines, regulations and provisions of the respective country must be observed when planning and installing electrical systems.

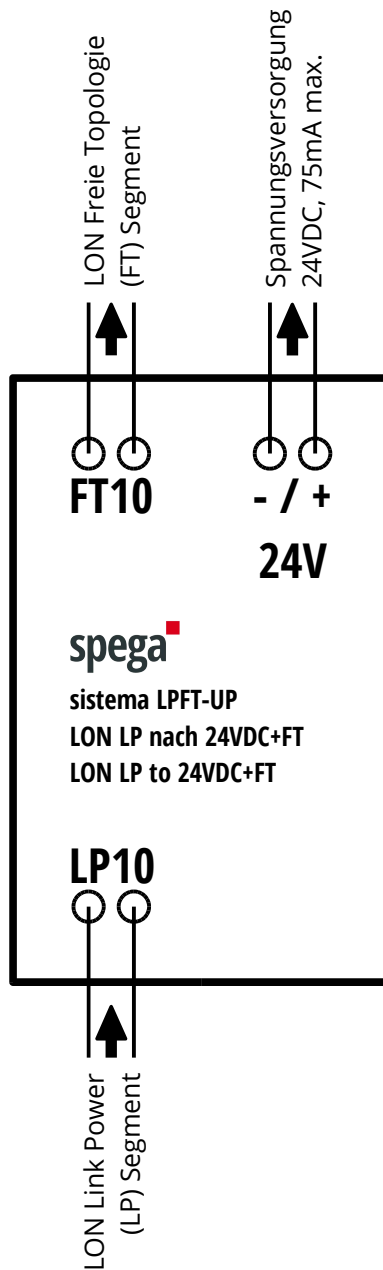


Device specifications given in this document must be observed.



The system installer must ensure that the wiring corresponds to the intended use of the device.

2.2. Installation and implementing



3. Technical Data

Supply

Power supply 41,5V DC (Link Power)

Efficiency rate (typ.) 85%

Calculation of current consumption (primary)

$$I_p = \frac{I_s}{\eta} \times \frac{U_s}{U_p}$$

I_p : Current consumption primary

I_s : Current consumption secondary

η : Efficiency rate (see above)

U_p : Voltage primary (41.5V)

U_s : Voltage secondary (24V)

Network input

Type of network Free Topology Link Power LP-10 (78kbps)

Type of transceiver LPT

Network output

Type of network Free Topology TP/FT-10 (78kbps)

Type of transceiver FTT

Power supply output

Power supply 24V DC

Capacity / max. current 1,8W / 75mA

Connections

Network input 2-pole cable Ø 0,8mm (sol.)

Network output 2-pole cable Ø 0,8mm (sol.)

Power supply output 2-pole cable Ø 0,8mm (sol.)

Housing

Protection IP 20 (DIN 40050 / IEC 144)

Dimensions 20 x 20 x 20 (H x W x D)

Mounting flush-mounted

Ambient conditions

Operating temperature	-5°C ... +45°C
Storage temperature	-25°C ... +55°C
Transport temperature	-25°C ... +70°C
Relative humidity	5% ... 93% (non-condensing)
Operating height	up to 2000 m above sea level

Safety

Electrical isolation	SELV (EN 60 950)
Protection class	III (IEC 536 / VDE 106 Teil1)

Standards

Device safety	gem. EN 50 090-2-2
Interference immunity	gem. EN 50 090-2-2
Certification	CE

4. Order information

Order number	Name
200 012	sistema LPFT-UP LON adapter for Link Power to 24VDC + FT

5. Support

The information given in this manual was carefully compiled. Should you have any further questions regarding this product, please contact:

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