

Datasheet Fröling Extension Part No: 100158



About the product

A world first: Integrate your Fröling solid fuel heating system into your Loxone Smart Home to achieve a demand-driven boiler control system that is based on Loxone Individual Room Control.

- targeted boiler control system based on each room's requirements
- precise measurement of flow temperature
- focused use of energy, resulting in cost reductions of up to 30%
- an overview of: the status of the heating circuit pumps; various boiler readings; buffer, boiler and flow temperatures
- can be used for up to 18 heating circuits, 8 boilers and 4 buffers
- notification of faults via email or phone call
- compatible with all Fröling heating systems from software version 5.11

Technical data

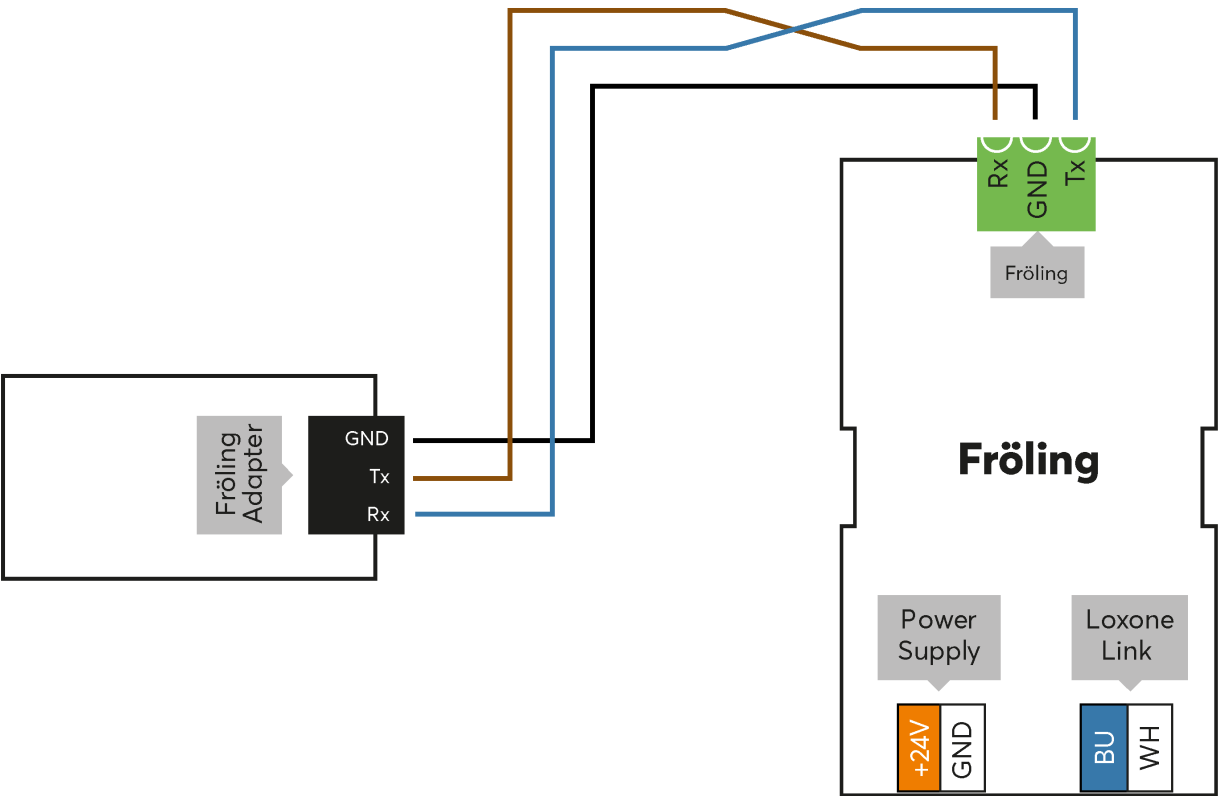
Power supply	9 ... 28VDC
Power consumption	max. 60mW
Interfaces	Fröling: integration of up to 18 heating circuits, 8 boilers or 4 buffer cylinder max. 15m wire length Fröling Software 5.11 or higher is required Loxone Link: connection with Miniserver
Power loss at max. load	60mW
Ambient temperature	-40 ... 70°C / -40 ... 158°F
Humidity	max. 95% r.H. (non condensing)

Connections

	Fröling interface	Power Supply & Loxone Link
Wire cross-section	0.14 ... 0.5mm ² / AWG26 ... 20	0.25 ... 0.8mm ² / AWG23 ... 18
Stripping length	7mm / 0.28"	5mm / 0.2"
Temperature resistance	-40 ... 70 °C / -40 ... 158°F	-40 ... 105°C / -40 ... 221°F

Orange / White	-	+ 24VDC / GND
Blue / White	-	Loxone Link

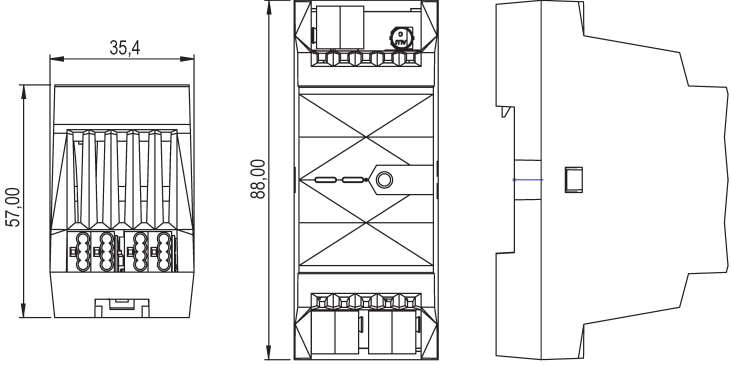
Connection diagram



Product features

Mounting type	DIN rail according to EN50022, 35mm
Colours	Black: RAL 9005
Finish	Matte

Weight & dimensions

Net weight	65g
Total weight	85g
Product dimensions	35.4x88x57mm / 1.4x3.46x2.24" (LxWxH), 2 deviation units
	 The image contains three technical drawings of a small electronic device. The front view on the left shows a rectangular device with a width of 35.4 mm and a height of 57.00 mm. It features a series of vertical lines in the center and four circular components at the bottom. The side view in the middle shows the device's profile with a total height of 88.00 mm, including mounting tabs at the top and bottom. The top view on the right shows the irregular shape of the device's top surface.
Pack size	121x38x62mm / 4.76x1.50x2.44" (LxWxH)

Certifications & Standards

Safety rating	IP20
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Installation must be carried out by a qualified electrician in accordance with the relevant regulations.

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Über das Produkt

Weltneuheit: Integrieren Sie Ihre Fröling Festbrennstoff Heizung in Ihr Loxone Smart Home für eine bedarfsgerechte Heizkesselsteuerung basierend auf der Loxone Einzelraumregelung.

- gezielte Heizkesselsteuerung basierend auf Raumbedarf
- punktgenaue Ermittlung der Vorlauftemperatur
- zielgerichteter Energieeinsatz für bis zu 30% Energiekostensparnis
- alles im Blick: Status der Heizkreispumpen, verschiedene Kesselwerte, Puffer-, Boiler-, Vorlauftemperatur
- für bis zu 18 Heizkreise, 8 Boiler, 4 Puffer
- Störungsbenachrichtigung per E-Mail oder Anruf
- kompatibel für alle Fröling Heizungen mit Softwareversion 5.11
- ins Loxone Smart Home integrierbar ab Loxone Config 6.4

Technische Daten

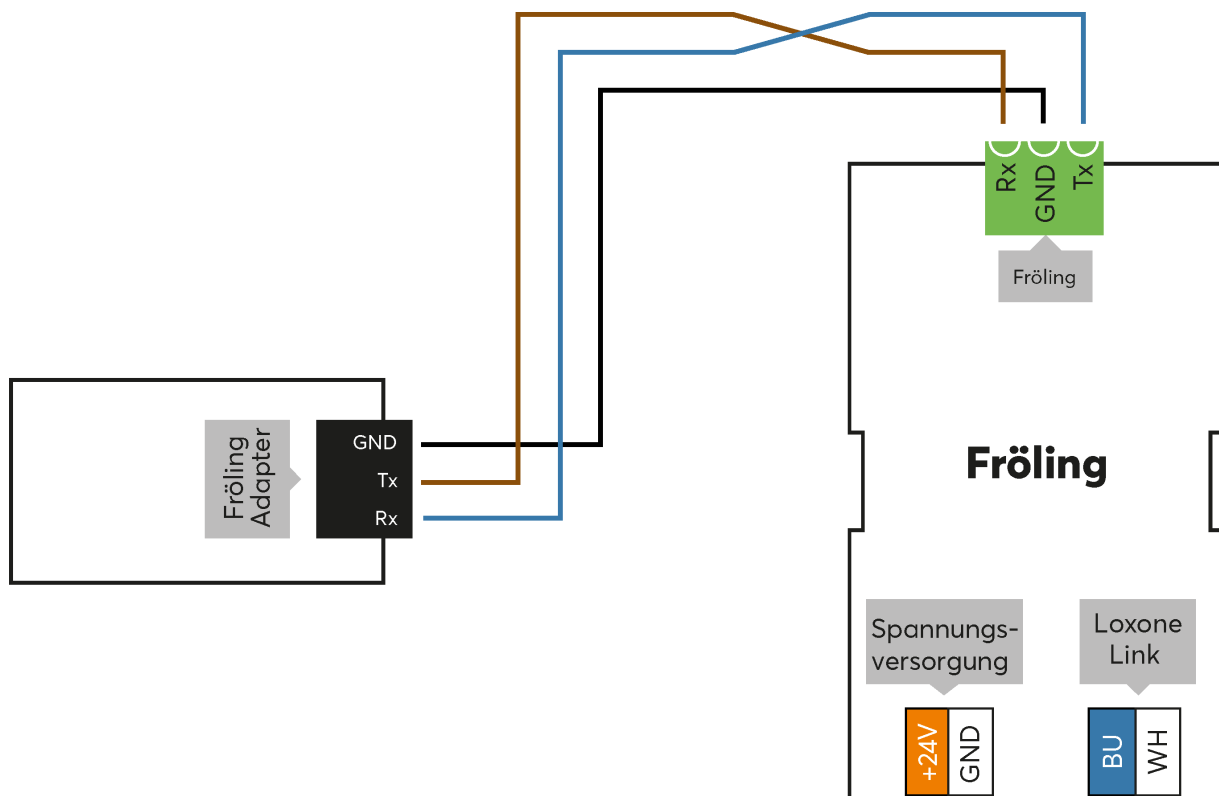
Spannungsversorgung	9 ... 28VDC
Leistungsaufnahme	max. 60mW
Schnittstellen	Fröling: Einbindung von bis zu 18 Heizkreisen, 8 Boiler oder 4 Pufferspeicher max. 15m Leitungslänge Föling Software: 5.11 oder höher ist erforderlich Loxone Link: Verbindung mit Miniserver
Verlustleistung bei max. Last	60mW
Umgebungstemperatur	-40 ... 70°C / -40 ... 158°F
Luftfeuchtigkeit	max. 95% r.H. (nicht kondensierend)

Anschlüsse

	Fröling Schnittstelle	Spannungsversorgung & Loxone Link
Leiterquerschnitt	0,14 ... 0,5mm ² / AWG26 ... 20	0,25 ... 0,8mm ² / AWG23 ... 18
Abisolierlänge	7mm / 0,28"	5mm / 0,2"
Temperaturbeständigkeit	-40 ... 70 °C / -40 ... 158°F	-40 ... 105°C / -40 ... 221°F

Orange / Weiß	-	+ 24VDC / GND
Blau / Weiß	-	Loxone Link

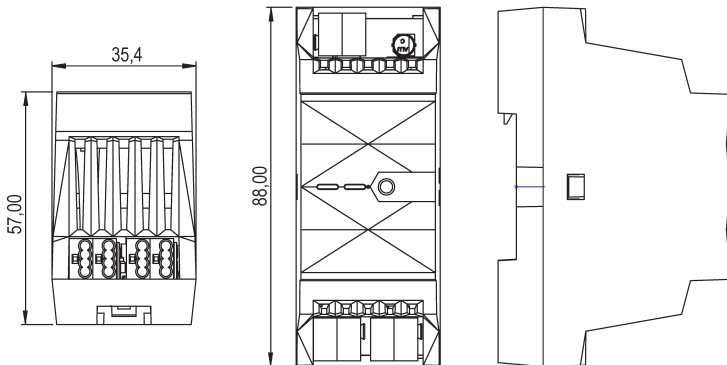
Anschlussplan



Produkteigenschaften

Montageart	Hutschiene nach EN50022, 35mm
Farbe	Schwarz: RAL 9005
Glanzgrad	Matt

Gewicht & Abmessungen

Nettogewicht	65g
Bruttogewicht	85g
Produktmaße	35,4x88x57mm / 1,4x3,46x2,24" (LxBxH), 2 Teilungseinheiten
	 The image contains three technical drawings of a small electronic device. The front view on the left shows a rectangular device with a width of 35,4 mm and a height of 57,00 mm. It features a series of vertical lines and a small circular component at the bottom. The side view in the middle shows the device's profile with a total height of 88,00 mm, including two internal compartments. The top view on the right shows the device's irregular top shape and a small rectangular feature.
Packmaß	121x38x62mm / 4,76x1,50x2,44" (LxBxH)

Zertifizierungen & Standards

Schutzart	IP20
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