Temposonics
AN AMPHENOL COMPANY

Data Sheet

TempoLink® smart assistant
for R-Series V position sensors

- Quick setup & diagnostics for R-Series V
- No additional software needed
- Easy access via smartphone, tablet or computer

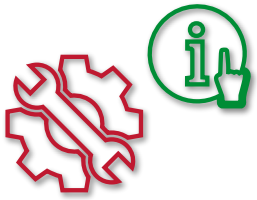
Tablet not included in the scope of delivery!

THE NEW V GENERATION

THE ACCESSORY FOR THE R-SERIES V

The TempoLink® smart assistant is an accessory for the R-Series V sensors family. It supports the setup of the sensor in the application as well as providing additional status information for sensor diagnostics.

THE POSSIBILITIES
Via the TempoLink® smart assistant, sensor parameters can be adjusted and status information can be read from the sensor.

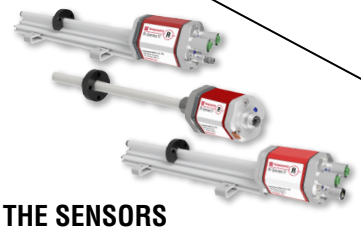


THE DISPLAY
The graphical user interface is displayed on your smartphone, tablet, or computer. Simply connect your Wi-Fi enabled device to the integrated Wi-Fi access point, or alternatively via USB, and go to the TempoLink® smart assistant URL via your browser.

THE KIT
The TempoLink® kit contains the TempoLink® smart assistant and the hardware required to connect it to the R-Series V sensor (see page 4).

THE UPDATE
We are continuously developing the firmware of the TempoLink® smart assistant to enable new functions and improve the operation. You can update your TempoLink® smart assistant yourself and always stay up to date.

THE EXPANSION
The adapter cables for connecting the R-Series V sensor to the TempoLink® smart assistant can be ordered separately to allow other R-Series V connection types to be used with your kit.
So you can flexibly expand your kit.



THE SENSORS
The TempoLink® smart assistant can be connected to all R-Series V sensors for adjusting sensor settings and reading additional information.

Fig. 1: The main advantages of the TempoLink® smart assistant

TECHNICAL DATA

Operating conditions	
Operating temperature	–20…+60 °C (–4…+140 °F)
Humidity	10…90 % relative humidity, no condensation
Ingress protection	IP30
Design/Material	
Housing	ABS plastic
Dimensions (h × w × d)	54 × 44 × 53 mm (2.1 × 1.7 × 2 in.)
Electrical connection	
Connection type	1 × micro USB 1 × barrel connector 2.1 × 5.5 mm (female) 1 × barrel connector 2.5 × 5.5 mm (female)
Operating voltage	+24 VDC
Power consumption	15 W (when connecting an R-Series V sensor)
Wi-Fi	
Wi-Fi standard	IEEE 802.11b/g/n
Frequency range	2.4 GHz: 2.412 GHz…2.472 GHz

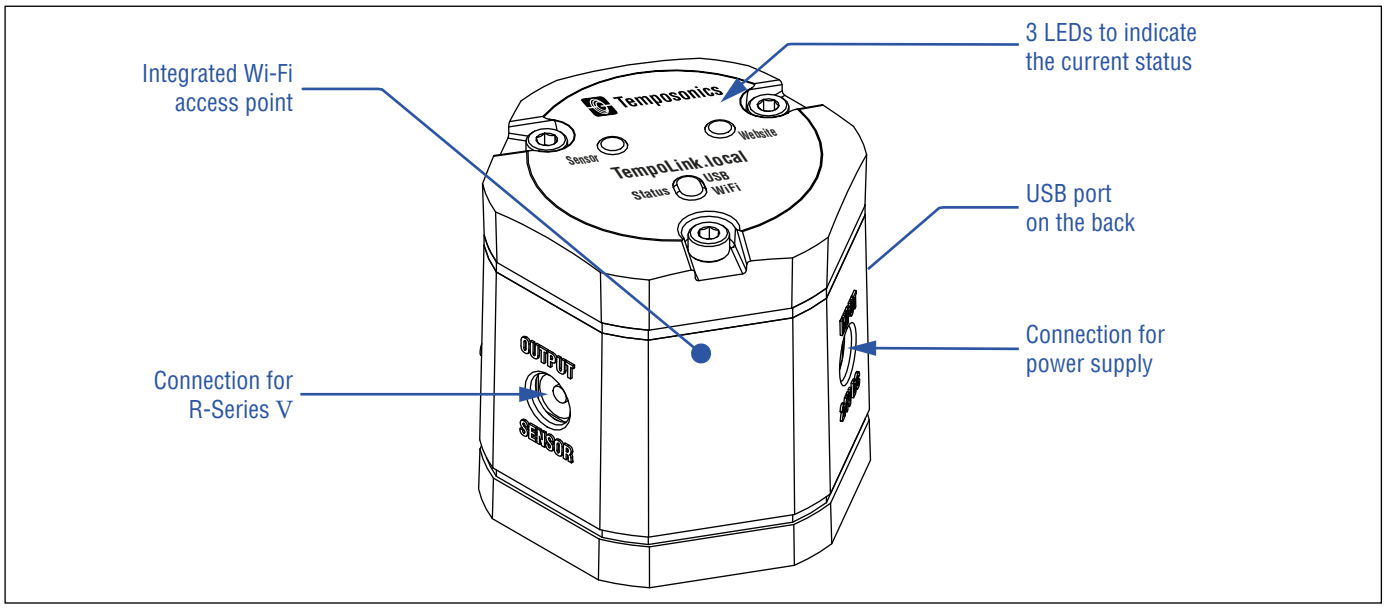
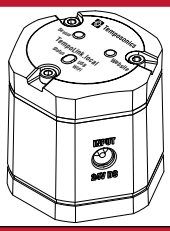


Fig. 2: The connection possibilities and status LEDs at the TempoLink® smart assistant

CONTENT OF THE TempoLink® KIT

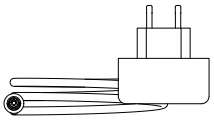
The TempoLink® kit contains the components required to connect the TempoLink® smart assistant to a specific R-Series V sensor.

1 TempoLink® smart assistant

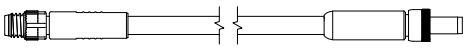


2 Power supply
Each kit includes one of the listed options for power supply

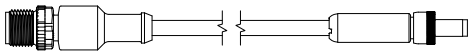
Plug-in power supply



Cable for insertion in existing power supply for connection type D56



Cable for insertion in existing power supply for connection type D58



Barrel connector with pig-tail

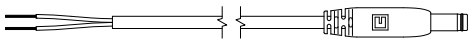
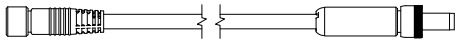


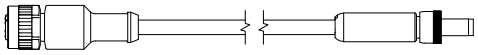
Fig. 3: Package contents of the TempoLink® kit based on the kit order code (see page 6), part 1

3 Adapter cable
Each kit includes one of the listed adapter cables for connecting the TempoLink® smart assistant to an R-Series V sensor

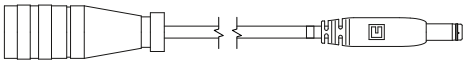
Adapter cable for connection type D56



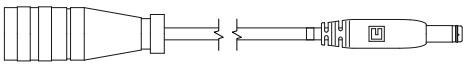
Adapter cable for connection type D34/D58



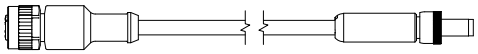
Adapter cable for connection type D60



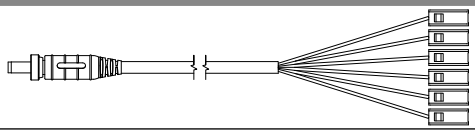
Adapter cable for connection type D70



Adapter cable for connection type D84



Adapter cable for cable outlet



4 USB cable
For optional connection of the TempoLink® smart assistant to a computer

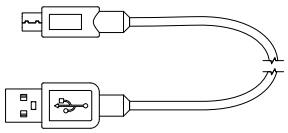


Fig. 4: Package contents of the TempoLink® kit based on the kit order code (see page 6), part 2

FREQUENTLY ORDERED ACCESSORIES

Adapter cables for connection of TempoLink® smart assistant to a specific R-Series V-sensor

Adapter cable for D56
M8 female connector (4 pin) – barrel
Part no. 254 887-1

Material: PVC
Cable length: 1.5 m
For connetion type: D56 (EtherCAT®/EtherNet/IP™/POWERLINK/PROFINET)

Adapter cable for D34/D58
M12 female connector (5 pin/4 pin) – barrel
Part no. 254 897-1

Material: PUR
Cable length: 1.5 m
For connetion type: D34/D58 (Analog/EtherCAT®/EtherNet/IP™/POWERLINK/PROFINET)

Adapter cable for D60
M16 female connector (6 pin) – barrel
Part no. 254 989-1

Material: PVC
Cable length: 1.5 m
For connetion type: D60 (Analog)

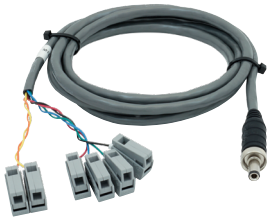
Adapter cable for D70
M16 female connector (7 pin) – barrel
Part no. 254 990-1

Material: PVC
Cable length: 1.5 m
For connetion type: D70 (SSI)

Adapter cable

Adapter cable for D84
M12 female connector (8 pin) – barrel
Part no. 255 204-1

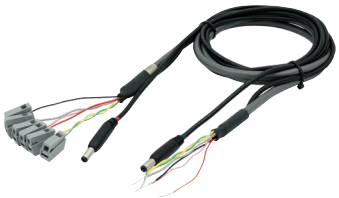
Material: PUR
Cable length: 1.5 m
For connetion type: D84 (SSI)



Adapter cable for cable output
6 × terminal clamps – barrel
Part no. 255 043-1

Material: PVC
Cable length: 1.5 m
For connection type: Cable outlet (Analog/SSI)

Inline cables

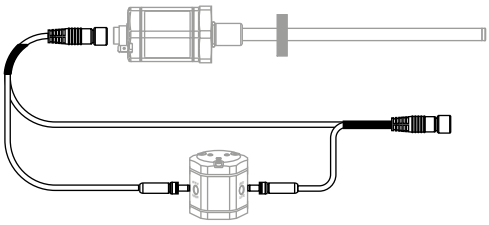


Inline cable for cable outlet (SSI)
6 × terminal clamps – pigtail with 2 barrel connectors
Part no. 255 004

Material: PVC
Cable length: 1.5 m
For connection type: Cable outlet (SSI)

Inline cable for D70
M16 female connector (7 pin) – M16 connector male (7 pin) with 2 barrel connectors
Part no. 254 994-1

Material: PVC
Cable length: 1.5 m
For connection type: D70 (SSI)



Inline cable

- The TempoLink® smart assistant can be used to read out R-Series V status information during operation.
- SSI combines power supply and data lines in one cable.
- Inline cable allows the TempoLink® smart assistant to be connected in parallel to the data transfer to the control. So status information can be read during operation of the R-Series V SSI sensor while the TempoLink® smart assistant is connected.

ORDER CODE

1	2	3	4	5	6	7	8
T	L		0				
a		b	c	d			

a	Type
T	L	TempoLink® smart assistant kit

b	Power supply
1	Plug-in power supply with plug adapters (AU, CCC, EU, UK, US)
2	Cable for insertion in existing sensor power supply with sensor mating connector and barrel connector (for connection type D56)
3	Cable for insertion in existing sensor power supply with sensor mating connector and barrel connector (for connection type D58)
4	Barrel connector with pig-tail for connection to an existing power supply

c	Option
0	No options

d	Adapter cables for connection to R-Series V
E	M	0	8	Cable with M8 female connector (4 pin) for connection type D56 (EtherCAT®/EtherNet/IP™/POWERLINK/PROFINET) (part no. 254 887-1)
E	M	1	2	Cable with M12 female connector (4 pin) for connection type D58 (EtherCAT®/EtherNet/IP™/POWERLINK/PROFINET) (part no. 254 897-1)
S	D	7	0	Cable with M16 female connector (7 pin) for connection type D70 (SSI) (part no. 254 990-1)
S	D	8	4	Cable with M12 female connector (8 pin) for connection type D84 (SSI) (part no. 255 204-1)
A	D	3	4	Cable with M12 female connector (5 pin) for connection type D34 (Analog) (part no. 254 897-1)
A	D	6	0	Cable with M16 female connector (6 pin) for connection type D60 (Analog) (part no. 254 989-1)
A	S	0	0	Cable with 6 × terminal clamps for connection type cable outlet (Analog/SSI) (part no. 255 043-1)

DELIVERY

TempoLink® smart assistant kit

- TempoLink® smart assistant
- One of the four options for the power supply
- One adapter cable to connect TempoLink® smart assistant to R-Series V sensor
- USB cable for optional connection of TempoLink® smart assistant to a computer

Adapter cables to connect TempoLink® smart assistant to sensors of R-Series V can be ordered separately

Manuals, Software & 3D Models available at:
www.temposonics.com

Temposonics
AN AMPHENOL COMPANY

UNITED STATES
Temposonics, LLC
Americas & APAC Region
3001 Sheldon Drive
Cary, N.C. 27513
Phone: +1 919 677-0100
E-mail: info.us@temposonics.com

GERMANY
Temposonics
GmbH & Co. KG
EMEA Region & India
Auf dem Schüffel 9
58513 Lüdenscheid
Phone: +49 2351 9587-0
E-mail: info.de@temposonics.com

ITALY
Branch Office
Phone: +39 030 988 3819
E-mail: info.it@temposonics.com

FRANCE
Branch Office
Phone: +33 6 14 060 728
E-mail: info.fr@temposonics.com

UK
Branch Office
Phone: +44 79 21 83 05 86
E-mail: info.uk@temposonics.com

SCANDINAVIA
Branch Office
Phone: +46 70 29 91 281
E-mail: info.sca@temposonics.com

CHINA
Branch Office
Phone: +86 21 2415 1000 / 2415 1001
E-mail: info.cn@temposonics.com

JAPAN
Branch Office
Phone: +81 3 6416 1063
E-mail: info.jp@temposonics.com

Document Part Number:
552070 Revision D (EN) 08/2022

ISO 9001 CERTIFIED

temposonics.com

© 2022 Temposonics, LLC – all rights reserved. Temposonics, LLC and Temposonics GmbH & Co. KG are subsidiaries of Amphenol Corporation. Except for any third party marks for which attribution is provided herein, the company names and product names used in this document may be the registered trademarks or unregistered trademarks of Temposonics, LLC or Temposonics GmbH & Co. KG. Detailed trademark ownership information is available at **www.temposonics.com/trademarkownership**.