Data Sheet

TempoLink Smart Assistant
for R-Series V

▮ 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.
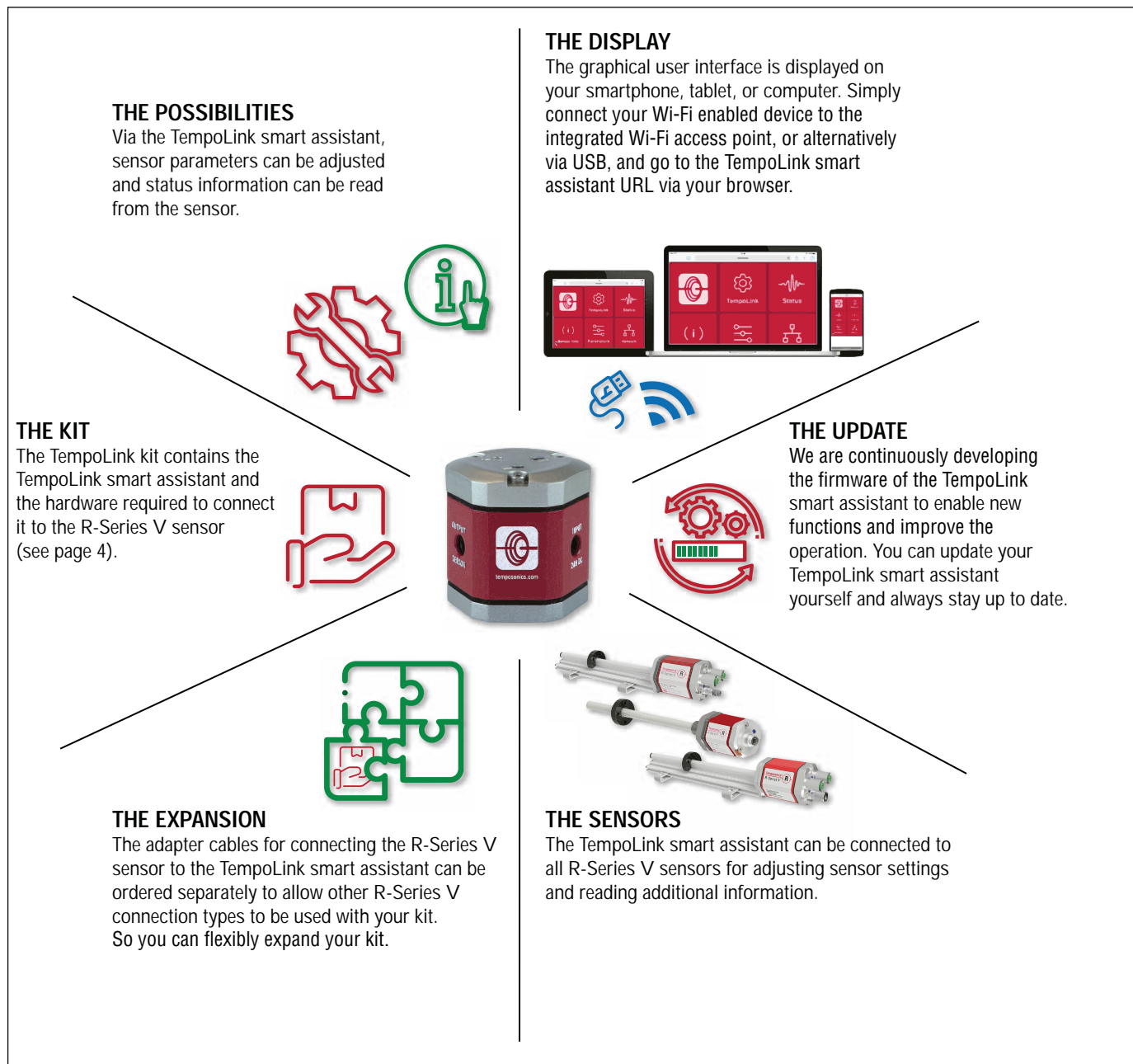

THE POSSIBILITIES
Via the TempoLink smart assistant, sensor parameters can be adjusted and status information can be read from the sensor.

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

Integrated Wi-Fi
access point

3 LEDs to indicate
the current status

USB port
on the back

Connection for
power supply

Connection for
R-Series V
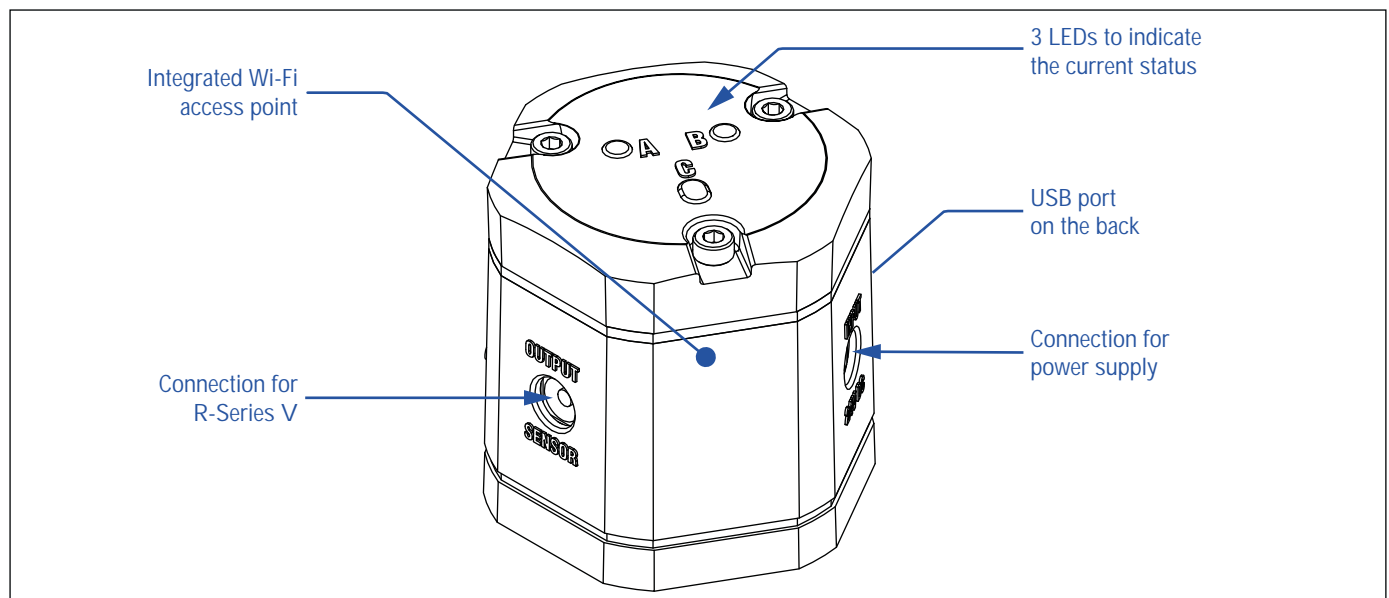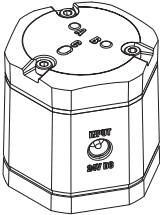
Fig. 2: The connection possibilities and status LEDs at the TempoLink smart assistant

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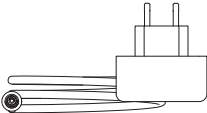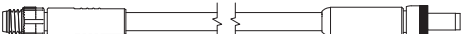
② Power supply
Each kit includes one of the listed options for power supply
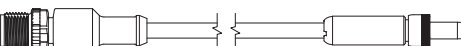
Plug-in power supply

Cable for insertion in existing power supply for connection type D56

Cable for insertion in existing power supply for connection type D58
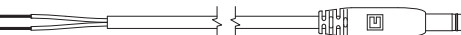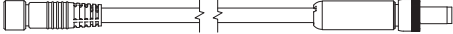

Barrel connector with pig-tail

Fig. 3: Package contents of the TempoLink kit based on the kit order code (see page 6), part 1
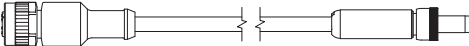
③ Adapter cable
Each kit includes one of the listed adapter cables for connecting the TempoLink smart assistant to an R-Series V sensor
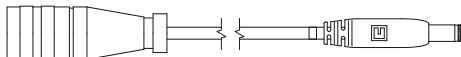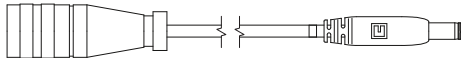
Adapter cable for connection type D56
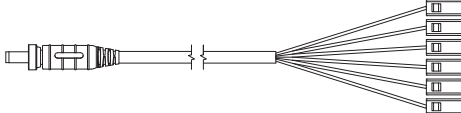

Adapter cable for connection type D58

Adapter cable for connection type D60

Adapter cable for connection type D70

Adapter cable for cable output

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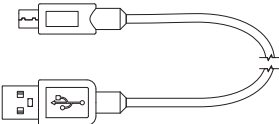For optional connection of the TempoLink smart assistant to a computer

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**	**Adapter cable for D58** **M12 female connector (4 pin) –** **barrel** **Part no. 254 897-1**	**Adapter cable for D60** **M16 female connector (6 pin) –** **barrel** **Part no. 254 989-1**	**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: D56 (EtherCAT®/EtherNet/IP™/POWERLINK/ PROFINET)	Material: PUR Cable length: 1.5 m For connetion type: D58 (EtherCAT®/EtherNet/IP™/POWERLINK/ PROFINET)	Material: PVC Cable length: 1.5 m For connetion type: D60 (Analog)	Material: PVC Cable length: 1.5 m For connetion type: D70 (SSI)

Adapter cable   **Inline cables**

Adapter cable for cable output **6 × terminal clamps – barrel** **Part no. 255 043-1**	**Inline cable for cable output (SSI)** **6 × terminal clamps –** **pigtail with 2 barrel connectors** **Part no. 255 004**	**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: Cable output (Analog/SSI)	Material: PVC Cable length: 1.5 m For connection type: Cable output (SSI)	Material: PVC Cable length: 1.5 m For connection type: D70 (SSI)
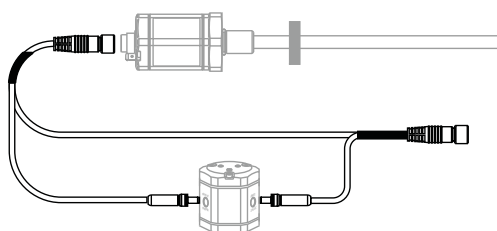
Inline cable
- The TempoLink smart assistant can be used to read out R-Series V status information during operation.
- SSI combines power supply and data lines in one cable.
- Inline cable allows the TempoLink smart assistant to be connected in parallel to the data transfer to the control. So status information can be read during operation of the R-Series V SSI sensor while the TempoLink smart assistant is connected.

TempoLink Smart Assistant
Data Sheet

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)
A S 0 0	Cable with 6 × terminal clamps for connection type cable output (Analog/SSI) (part no. 255 043-1)
A D 6 0	Cable with M16 female connector (6 pin) for connection type D60 (Analog) (part no. 254 989-1)

DELIVERY

TempoLink smart assistant kit
- TempoLink smart assistant
- One of the three 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

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