

Radio Control Devices Series ConSig 8040



- > Energy self-sufficient, no signal lines or batteries are needed
- > EnOcean protocol
- > For 868 MHz
- > Data rate 120 kbps
- > Multi-network capable
- > Output signal individually configurable at the receiver
- > Easy programming on the receiver's side
- > Available with pushbutton, mushroom pushbutton or rotary actuator
- > Enclosure made of glass fibre reinforced polyester resin

E4



15019E00

The new, energy self-sufficient EnOcean radio control devices of Series 8040 operate on the basis of the innovative "Energy Harvesting" principle. A miniaturized, electrodynamic energy converter converts kinetic energy of the actuating plunger in electrical energy and a signal is sent via radio to the receiver unit. The advantage of this stable and fail-safe technology is that it requires very small amounts of energy, with regard to explosion protection there is no source of ignition. Since no cables are necessary, expensive cabling costs can be avoided and the devices can be mounted easily and cost-effectively.

	ATEX / IECEx					
Zone	0	1	2	20	21	22
For use in		x	x		x	x

WebCode 8040D

Radio Control Devices

Series ConSig 8040



Selection Table

Version	Button label	Order number	Art. no.	Weight
				kg
Pushbutton, design size 1  15016E00	 09240E00 labelling: I green	8040/1110X-01L50BA50 DT Radio	214860	0.450
Twin pushbutton, design size 2  15017E00	 09240E00 labelling: I green			
	 05596E00 labelling: O red	8040/1210X-01L50BA50-01L50BA50 DT Radio	214858	0.850
Triple pushbutton, design size 3  15018E00	 09240E00 labelling: I green			
	 05596E00 labelling: O red	8040/1310X-01L50BA50-01L50BA50-01L50BA50	214859	1.200
	 05598E00 labelling: II green			

Note

Further versions on request.
For actuator attachments/button labels see chapter "Accessories and Spare Parts".
Please specify the desired versions in plain text.

Order Number Supplement

Radio control device according to configuration	Design size 1	8040/1 -	218318	
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Explosion Protection

Global (IECEx)

Gas and dust	Radio switching element: IECEx BVS 11.0079U Ex ib IIC T6 Gb Ex ib IIIC T80 °C Db	Control and monitoring devices: IECEx PTB 06.0025
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Europe (ATEX)

Gas and dust	Radio switching element: BVS 11 ATEX E 158 U ⊕ II 2 G Ex ib IIC T6 Gb ⊕ II 2 D Ex ib IIIC T80 °C Db	Control and monitoring devices: PTB 01 ATEX 1105
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Certifications and certificates

Certificates	IECEx, ATEX
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Technical Data

Version	8040 Radio control devices
Power supply	Electrodynamic energy generator
Protocol	EnOcean
Frequency	868.3 MHz
Switching frequency	approx. 9000 telegrams with repeats / h
Transmission power	max. 10 mW
Data rate	120 kbps
Channel bandwidth	280 kHz
Transmission range	max. 300 m in a free field max. 30 m indoors
Actuating time	min. 80 ms
Switching system	spring return

Ambient conditions

Ambient temperature	-20 ... +65 °C
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Mechanical data

Degree of protection	IP65 acc. to IEC/EN 60529 (others on request)
Mechanical life	> 1 million operating cycles
Material	
Enclosure	polyester resin, glass fibre reinforced
Seal	Silicone, foamed

Mounting / Installation

Cover lock	with captive M4 stainless steel combo head screws
Cover screws tightening torque	1.4 Nm

Accessories and Spare Parts

Designation	Figure	Description	Art. no.	Weight kg
Pushbutton		black, without button label	155073	0.018
	05733E00			
Mushroom pushbutton		black, without button label	155062	0.020
	05538E00			
Rotary actuator		latching, 2 switching positions black	155275	0.028
	05527E00	spring return, 2 switching positions black	155278	0.028
Button label		Please specify text or symbol blue	155910	0.001
	16239E00			
		Please specify text or symbol yellow	155913	0.001
	16240E00			
		Please specify text or symbol red	155896	0.001
	16238E00			

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Accessories and Spare Parts

Designation	Figure	Description	Art. no.	Weight kg
Button label		Please specify text or symbol green	155900	0.001
		Please specify text or symbol white	155907	0.001
		Please specify text or symbol black	155904	0.001
		Blank label without text blue	155911	0.001
		Blank label without text yellow	155914	0.001
		Blank label without text red	155897	0.001
		Blank label without text green	155901	0.001
		Blank label without text white	155908	0.001
		Blank label without text black	155905	0.001
		labelling: I black	155846	0.001
		labelling: I white	155892	0.001
		labelling: II black	155854	0.001
		labelling: II green	155706	0.001
		labelling: O red	155596	0.001
		labelling: O black	155783	0.001
		labelling: I O black	155771	0.001
		labelling: → red	155567	0.001
		labelling: ⇄ black	155736	0.001
		labelling: ↑ black	155749	0.001
		labelling: ↗ black	155761	0.001

Accessories and Spare Parts

Designation	Figure	Description	Art. no.	Weight kg
Button label		labelling: Close black	155878	0.001
	09256E00			
		labelling: Zu black	155874	0.001
	09259E00			
		labelling: OPEN black	155868	0.001
	09257E00			
		labelling: EIN black	155862	0.001
	16244E00			
		labelling: OFF red	155654	0.001
	05579E00			
		labelling: Aus red	155634	0.001
	09265E00			
		labelling: AUS black	155806	0.001
	05631E00			
		labelling: STOP red	155615	0.001
	16094E00			
		labelling: STOP black	155795	0.001
	05610E00			
		labelling: START green	155721	0.001
	05602E00			
		labelling: START white	155889	0.001
	09266E00			
		labelling: RESET blue	155894	0.001
	09269E00			
		labelling: ON green	155671	0.001
	05591E00			
		labelling: Auf black	155883	0.001
	05608E00			
		labelling: Ab black	155886	0.001
	05606E00			
		labelling: Links black	155827	0.001
	09268E00			
		labelling: Rechts black	155837	0.001
	09267E00			

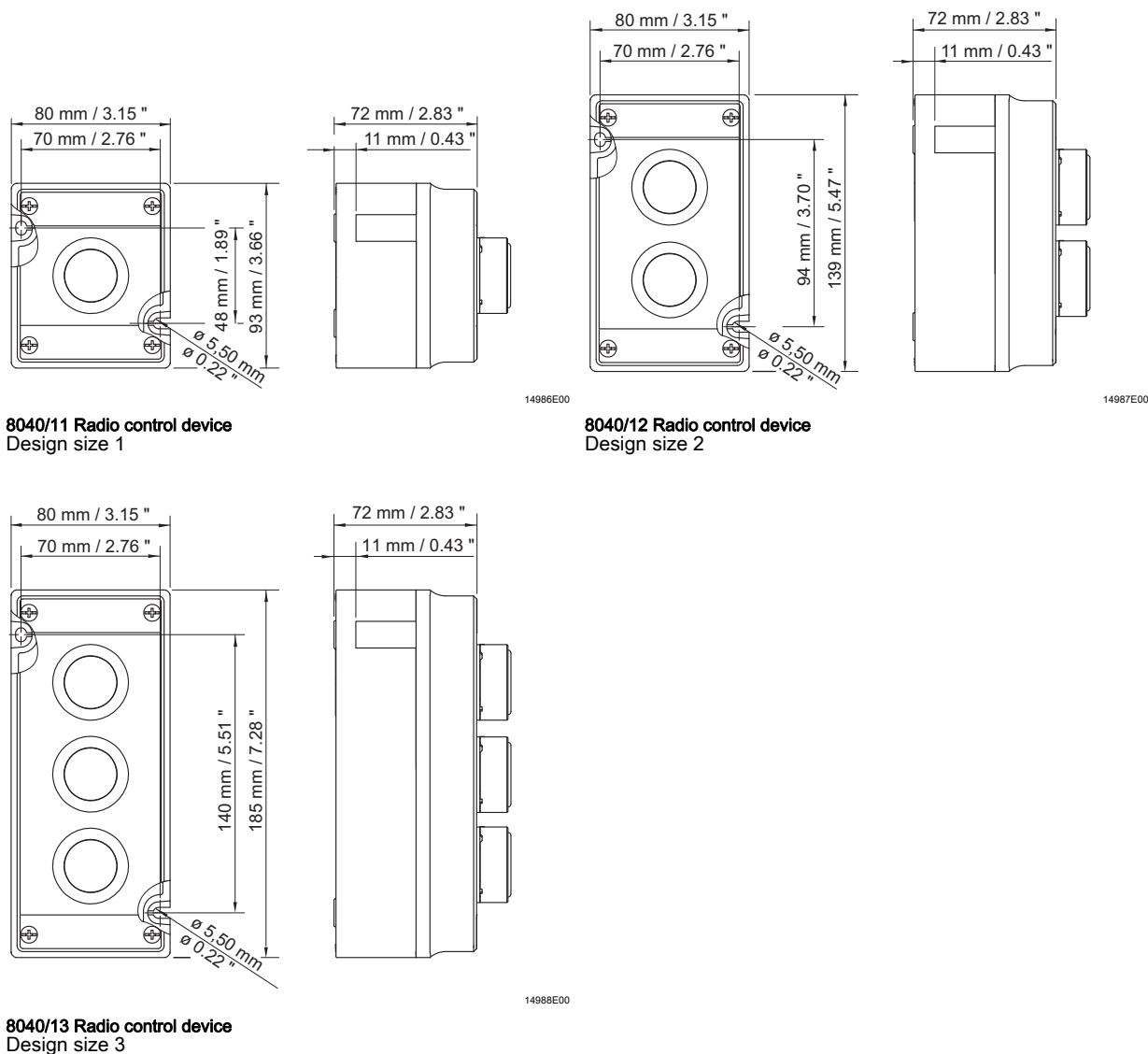
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Dimensional Drawings (all Dimensions in mm / inches) - Subject to Alterations



We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.