



Technical parameters

RFSG-1M

Supply voltage:	110–230 V AC
Supply voltage frequency:	50–60 Hz
Apparent input:	2 VA
Dissipated power:	0.2 W
Supply voltage tolerance:	+10 %/-25 %
Power supply indication:	green LED

Input

Control voltage:	AC 12–230 V/DC 12–230 V
Control input power:	AC 0.025 VA/DC 0.1 W
Control terminals:	S–S
The length of control impulse:	min. 25 ms (max. unlimited)
Transmission indication/function:	red LED

Control

Communication protocol:	RFIO
Frequency:	866–922 MHz (for more information see p. 76)
Repeater function:	no
Signal transmission method:	unidirectionally addressed message
Range:	in open space up to 160 m
Minimum control distance:	20 mm
RF antenna:	AN-I included (SMA connector)*

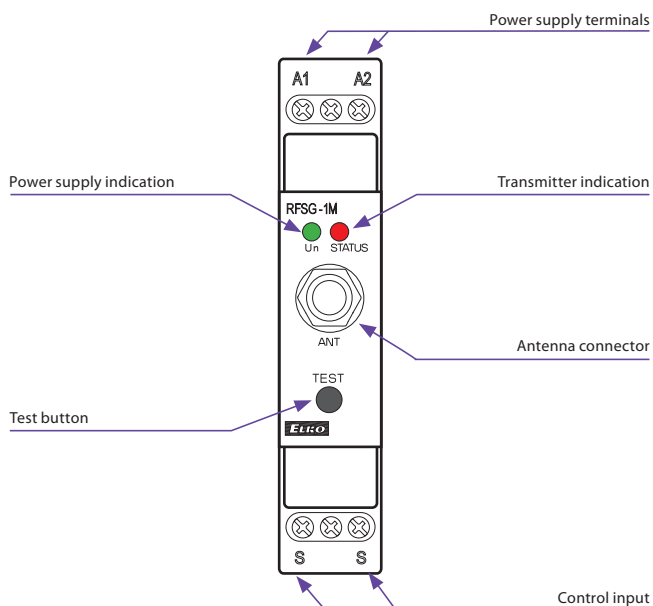
Other data

Operating temperature:	-15 to +50 °C
Operating position:	any
Mounting:	DIN rail support EN 60715
Protection:	IP20 from the front panel
Overvoltage category:	III.
Contamination degree:	2
Connecting conductor cross-section: (mm ²):	max. 1x 2.5, max. 2x 1.5/ with a hollow max. 1x 2.5
Dimensions:	90 x 17.6 x 64 mm
Weight:	62 g
Related standards:	EN 60669, EN 300 220, EN 301 489 R&TTE Directive, Order. No 426/2000 Coll. (Directive 1999/EC)

* Max Tightening Torque for antenna connector is 0.56 Nm.

- This wireless contact converter is especially appropriate for wireless transmission of information on switching HDO.
- Thanks to the permanent power supply, it can also be used for partial transmission of information for control of an appliance or device.
- After leading in power to the "S" terminals, it periodically transmits the command switch on in an interval of 10 min. When disconnecting the power supply, immediately switch off.
- The button TEST on the controller is used to assign to a switching unit.
- The package includes an internal antenna AN-I, in case of locating the converter in a metal switchboard, you can use the external antenna AN-E for better signal reception, see accessories on page 69.
- Range up to 160 m (in open space), if the signal is insufficient between the controller and unit, use the signal repeater RFRP-20.
- Communication frequency with bidirectional protocol RFIO.
- 1-MODULE design of the unit with mounting into switchboard.

Device description



Connection

