



Technical parameters	RFDEL-76M/230V	RFDEL-76M/120V
Supply voltage:	230 V AC	120 V AC
Supply voltage frequency:	50 Hz	60 Hz
Power supply indication:	green LED Un	
Supply voltage tolerance:	+10/-15 %	
<b>Output</b>		
Output:	12x MOSFET transistor	
Load type*:	R - resistive, L - inductive, C - capacitive, ESL - economical, LED	
Minimum output power:	10 VA	
Max. output power/channel:	150 VA	75 VA
Possible to connect outputs:	yes	
Maximum power when connecting all outputs:	max. 900 VA	max. 450 VA
Output protection:	thermal/short-term overload/longterm overload/short circuit	
Output indication:	red LED STATUS	
<b>Control</b>		
Wired buttons:	potential "L" or external voltage AC 20–230 V (50–60 Hz)/DC 20–230 V	
Wireless	up to 32-channels (with iNELS RF buttons)	
Communication protocol:	RFIO2	
Function repeater:	yes	
Range:	in the open up to 160 m (524.11 ft)	
RF antenna:	AN-I included (SMA connector)	
<b>Other information</b>		
Operating temperature:	-20 to +50 °C (-4 to 122 °F)	
Storage temperature:	-30 to +70 °C (-22 to 158 °F)	
Ingress protection:	IP20 under normal conditions	
Overvoltage category:	II.	
Contamination degree:	2	
Connecting conductor:	max. 2.5 mm <sup>2</sup> /1.5 mm <sup>2</sup> with sleeve	
Operating position:	vertical	
Installation:	in the switchboard on DIN rail EN 60715	
Design:	6-MODULE	
Dimensions:	90 x 105 x 65 mm (3.5" x 4.1" x 2.6")	
Weight	320 g (11 oz.)	

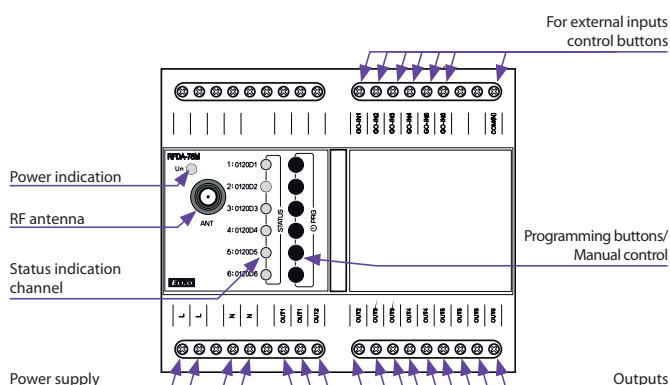
\*Warning: it is not allowed to simultaneously connect loads of inductive and capacitive type in the same channel.

### Types of connectable loads

R resistive	L inductive	C capacitive	LED light	ESL saving

- RFDEL-76M is a universal 6-channels actuator, which is used to control the brightness intensity of dimmable sources R - L - C - LED - ESL.
- The maximum possible load is 150 VA for 230 V and 75 VA for 120 V for each channel.
- The individual channels of the dimmer can be connected in parallel and thus increase the maximum output load at the expense of the number of outputs.
- Each of the output channels is individually controllable and addressable.
- By setting the min. brightness eliminates flickering of different types of light sources, setting min. brightness and type of load is done using the PROG buttons.
- Electronic overcurrent, thermal and short-circuit protection, which switches off the output.
- 6 galvanically isolated inputs for wired buttons, which can be used to control the outputs independently of the RF.
- Communication with bidirectional RFIO2 protocol. The package includes an internal AN-I antenna, in case of placement of a sheet metal distribution element, you can use an external AN-E antenna to improve the signal.

### Description



### Connection

