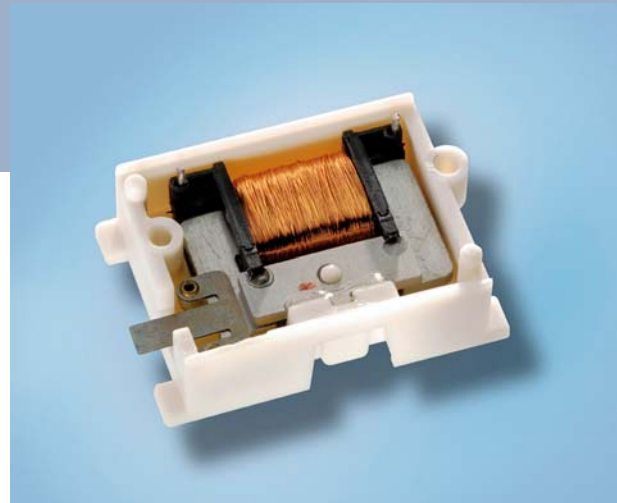


Energy harvester ECO 100

The energy module ECO 100 is an energy converter for linear motion. It can be used to power the PTM 230 radio module or derivatives.

The energy output at every actuation of the spring is sufficient to transmit 3 sub-telegrams with a PTM 230 module.

Possible applications are miniaturized switches and sensors in building technology and industrial automation.

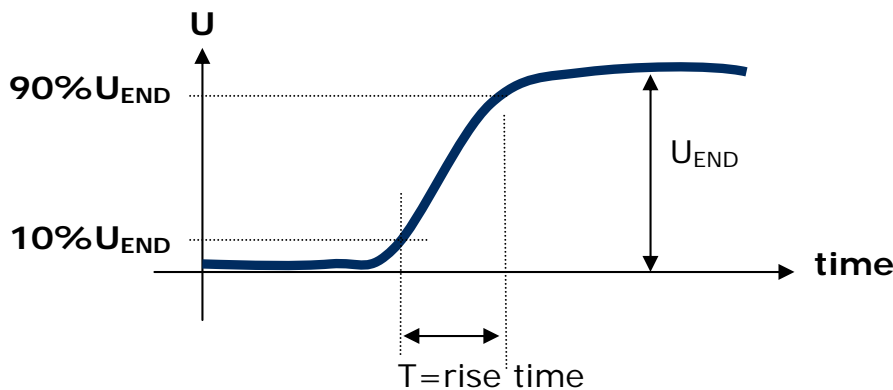


Type
ECO100

Ordering Code
S3016-N100

Features overview

Mechanical dimensions	33.3 x 22.0 x 10.8 mm
Actuating force / travel	2.1±0.5 N / 2.0 mm
Switching cycles (up or down)	>60.000 at 25°C
Operating temperature	+5 up to +65 °C
Output pulse - T (rise time)	Typical 1,4 ms
Output pulse - U_{END} (voltage in the capacitor at the end of the energy pulse)	Typical 5 V ± 25%



Circuit used to characterize the output pulse:

Mechanical energy

