R-IVR-400A Relay

Elife Power Relays 400A Series are designed specially for use in **battery applications** and to operate in a **vibration environment**.

The main **key features** of our power relays include:

- High Capacity and Conduction Efficiency.
- Smart Management of the Magnetizing Coil Power Supply.
- Designed for Battery System.
- **Vibration-absorbing inner lining that protects the case**.
- It can be supplied with an ultra-wide Input Voltage Range.
- Capable for case temperature up to +70 °C.
- Very compact size 104x53x60 mm.

Smart Management of the Magnetizing Coil Power Supply

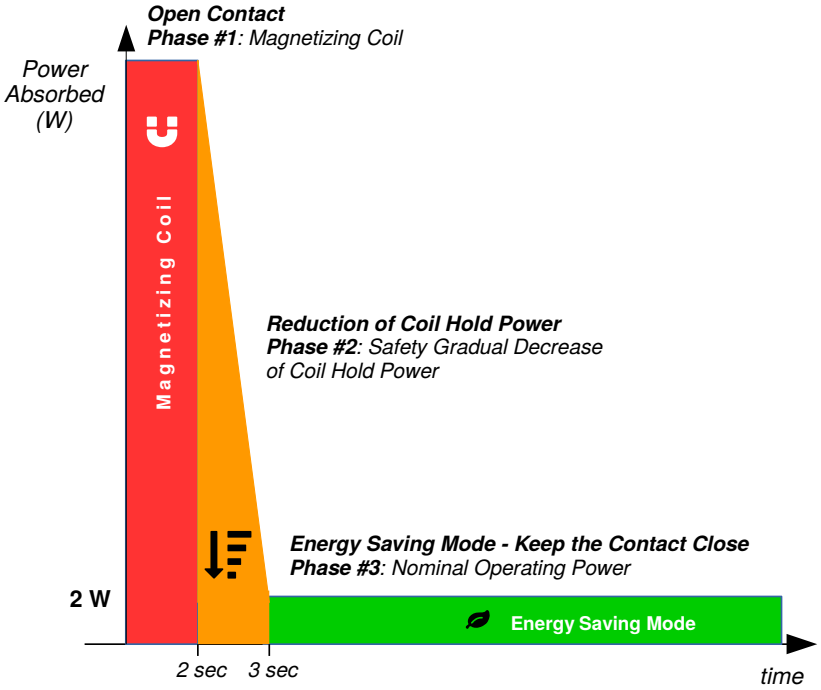


Figure 1: After the first 2 seconds, the power absorbed decrease gradually until reaching the Operating Nominal Power (less than 2 W).

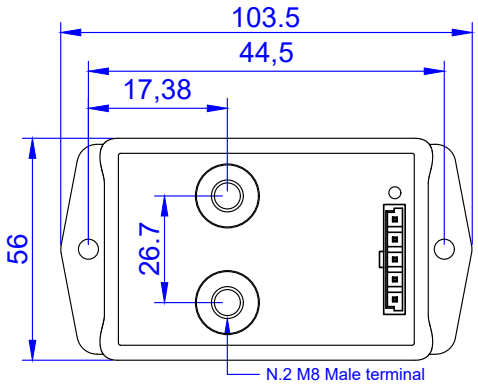
Elife Power Relays 400A Series are available in four configurations:

	Normal	Feedback	PLC	PLC + Feedback
Commercial Name:	R-IVR-400A	R-IVR-400A-F	R-IVR-400A-PLC	R-IVR-400A-FPLC
State of the Relay Contacts:		☑		☑
It can be driven by a PLC:			☑	☑

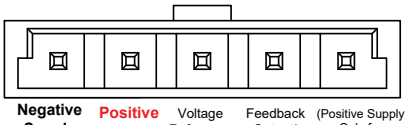
Table 1: Description of R-IVR-400A Relay.

	Value
Supply Input Voltage:	**From 20 to 144 V**
Max. Switching Current:	**400 A**
Nominal Operating Power*:	**less than 2 W**
Operate Time (at 20 °C):	Max. 25 ms
Release Time (at 20 °C):	Max. 15 ms
Max. Admissible Input Voltage:	160 V
Operating Temperature Range:	From -50 to 70 °C

* The Nominal Operating Power refers to the power absorbed after 3 secs to hold the Relay contact close.



Connector Legend:



* Only valid for Feedback Version
° Only valid for PLC Version

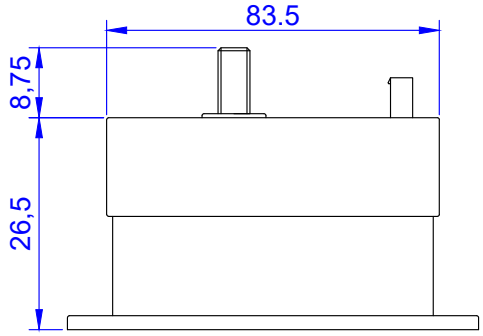


Figure 2: The drawing - size in **mm** - and the wiring diagram of Elife Relay 400A Series (Normal Version).

Elife International

www.elifeinternational.com

+39.0565.944121 info@elifeinternational.com