

ECON SWITCHBOX FOR HYDRAULIC ACTUATORS

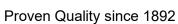
Fig. 21440 Linear Switchbox



Fig. 21540-21543 Quarter turn Switchbox



Installation & Operation Manual for Hydraulic Switchbox: Fig. 21440, 21540, 21541, 21542, 21543





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1 INTRODUCTION

1.1 **Purpose**

The purpose of this manual is to introduce and explain the installation, operation and maintenance of the ECON Switchbox for Hydraulic Actuators.

1.2 **Safety Notices**

This manual contains safety notices and precautions the user must take to reduce the risk of personal injury and damage to the equipment. The user(s) must read these instructions before the installation, operation or maintenance of the ECON Switchbox for Hydraulic Actuators.





DANGER: Refers to personal safety and alerts the user for danger and/or injury.

Hazardous or unsafe practice may result in severe injury or death.



WARNING: Refers to personal safety. Alerts the user for potential danger.

Not following warning notices could result in personal injury or death.



CAUTION: Directs the user's attention to general precautions that, if not followed, could result in personal injury and/or equipment damage.

Note: Information in this manual is critical to the user's understanding of the actuator's installation and operation.



2 PRODUCT IDENTIFICATION

2.1 Product Identification

The product sticker is located on side of the switchbox. The sticker contains the following:

2.1.1 Marking

econ®
www.eriks.com

Switch box

Fig.: 21540

Enclosure: IP68

Switch type: Reed contacts

Voltage: AC: 100V, 0,5A Voltage: DC: 250V, 0,5A



ECON logo (trademark)

- Figure number
- Enclosure rate
- Switch type
- Electric specifications
- QR code

2.1.2 Certification

• LRS Type Approval Certificate.

2.2 Initial Inspection

Upon the receipt of the switchbox, the user should inspect the condition of the product and ensure that the product specification stated on the product sticker matches with the order sheet.

2.3 Storage

An electric switchbox must be stored in a clean, cool and dry area. The item should be stored with the top cover installed and the cable gland plugged. Storage must be off the floor, covered with a sealed dust protector.



3 GENERAL INFORMATION AND FEATURES

3.1 General Information

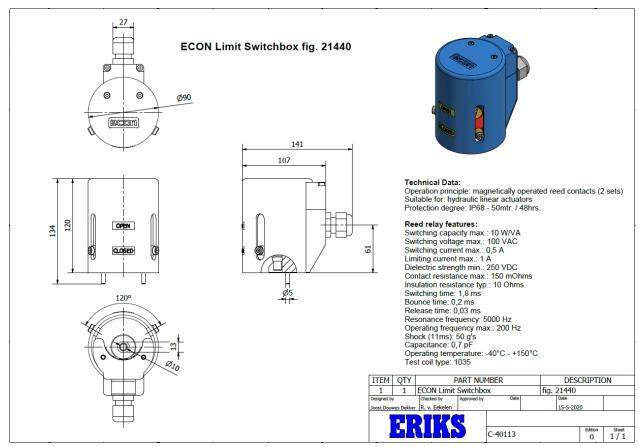
ECON Switchbox for Hydraulic actuator are made of VALOX plastic which is durable and fire retarded. The switchbox contains "reed contacts" and can be used in an Atex environment when a Zener Barrier is used. When this is done the switchbox becomes a "simple apparatus" and is intrinsically safe.

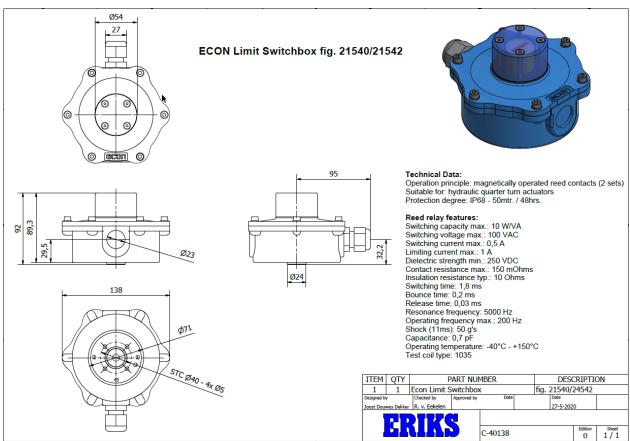
3.1.1 Switchbox Versions

- Fig. 21440 Switchbox open/closed for ESL/EDL actuators
- Fig. 21540 Switchbox open/closed for ESR/EDR actuators
- Fig. 21541 Switchbox open/closed & Potentiometer for ESR/EDR actuators
- Fig. 21542 Switchbox open/closed for ESH/EDH actuators
- Fig. 21543 Switchbox open/closed & Potentiometer for ESH/EDH actuators



4 SWITCHBOX DIMENSIONS & SPECIFICATIONS

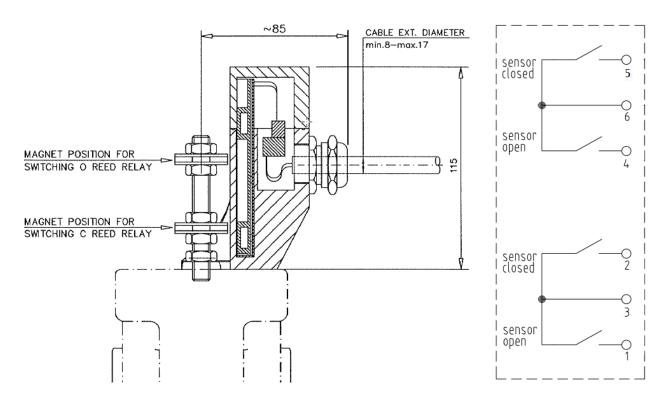




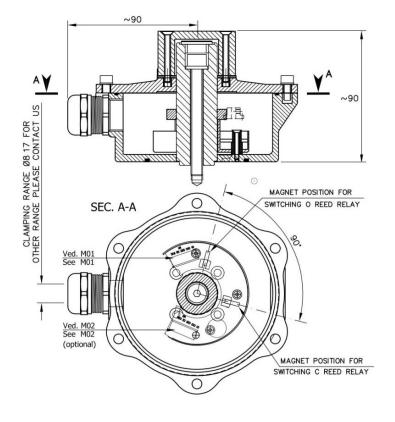


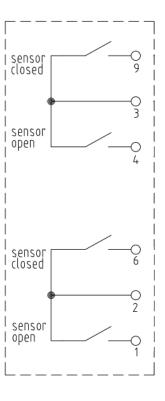
5 SWITCH ASSEMBLY & ELECTRIC CONNECTION SCHEDULE

5.1 Fig. 21440 open / closed switchbox



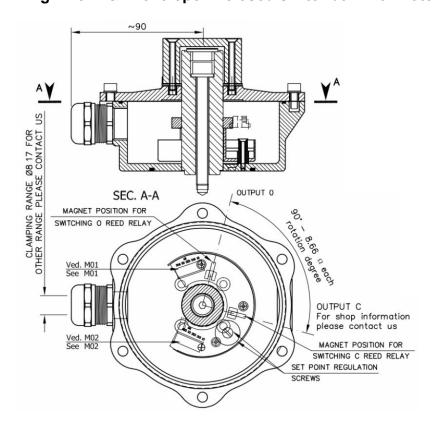
5.2 Fig. 21540 & 21542 open / closed switchbox

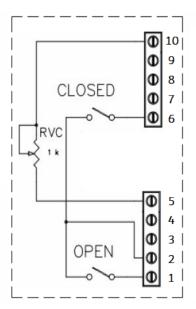






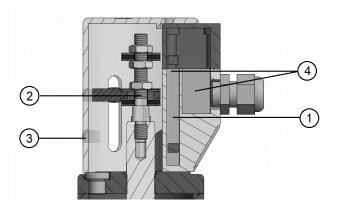
5.3 Fig. 21541 & 21543 open / closed switchbox with Potentiometer





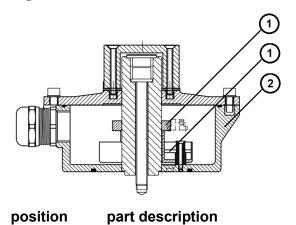
6 SPARE PARTS

6.1 Figure 21440



position	part description
1	Reed Sensor block for open/closed switchbox
2	Spindle set with magnet rings and indicator for switchbox
3	Switch cover
4	Switchbox

6.2 Figure 21540 & 21542



1	Reed Sensor set for open/closed switchbox
2	Complete switchbox



If you have questions about this product,
Please contact the nearest ECON distributor.
You can find them on www.eriks.com



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