Dual-Function
Control Box

Installations manual (EN)
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLOSSARY</td>
<td>1</td>
</tr>
<tr>
<td>SYMBOLS</td>
<td>1</td>
</tr>
<tr>
<td>SAFETY INFORMATION</td>
<td>2</td>
</tr>
<tr>
<td>INTRODUCTION</td>
<td>3</td>
</tr>
<tr>
<td>WINCH RADIAL-PERFORMA-CLASSIC-FLATWINDER™ 250</td>
<td>4</td>
</tr>
<tr>
<td>WINCH RADIAL-PERFORMA-CLASSIC-FLATWINDER™ 250 48V</td>
<td>5</td>
</tr>
<tr>
<td>WINCH REWIND-FLATWINDER™ 500</td>
<td>6</td>
</tr>
<tr>
<td>WINCH REWIND-FLATWINDER™ 500 48V</td>
<td>7</td>
</tr>
<tr>
<td>WINCH UNIPOWER</td>
<td>8</td>
</tr>
<tr>
<td>WINCH UNIPOWER BRS</td>
<td>9</td>
</tr>
<tr>
<td>WINCH UNIPOWER 48V</td>
<td>10</td>
</tr>
<tr>
<td>WINCH RADIAL-PERFORMA-REWIND-UNIPOWER-CLASSIC-FLATWINDER™ DSS DECODER</td>
<td>11</td>
</tr>
<tr>
<td>WINCH REWIND-FLATWINDER™ 500 BRS</td>
<td>12</td>
</tr>
<tr>
<td>WINCH RADIAL-PERFORMA-CLASSIC-FLATWINDER™ 250 BRS</td>
<td>13</td>
</tr>
<tr>
<td>CAPTIVE REEL WINCH</td>
<td>14</td>
</tr>
<tr>
<td>CAPTIVE REEL WINCH BRS</td>
<td>15</td>
</tr>
</tbody>
</table>
**GLOSSARY**

**Intended use**: specific and proper use of the device for which it is designed

**Improper use**: use of the device in a different way from that indicated in the instructions for use specified in this manual

**Qualified operator**: person who has attended specialisation and training about the use of the device

**User**: person who uses the device regularly

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**SYMBOLS**

- **CAUTION!**
  This denotes mandatory actions by the user; without these actions, the user is subjected to injury and the device can be seriously damaged

- **NOTE!**
  This denotes important information concerning the device
SAFETY INFORMATION

CAUTION! Read this manual carefully and fully understood before using the system to avoid personal injury or property damage during system operation.

- Install and use the device only as described in the technical information supplied.
- Improper use can cause severe harms to users, equipment and the boat.
- This information is DESTINED EXCLUSIVELY for qualified operators.
- Installation of the device by personnel who are not experts may cause serious damage to the winch and the boat.
- Never substitute any part with one that is not original. Even though they look similar and are both made by Harken®, the non-original part may not be suitable and the warranty will be invalidated.
- Harken® cannot be responsible for damage or injury resulting from unsafe product use, lack of maintenance or incorrect product and/or system installation or operation.
- This manual is an integral part of the device and aims to provide all the information needed for its safe and correct use.
- Install and use the device as described in the technical specifications supplied.
- Failure to install the device will void the warranty of the device itself and the Harken® product to which it is connected. Refer to the warranty on the web site www.harken.com.
- This manual is available only in English. If you do not fully understand the English language, do not carry out the operations described in this manual. For any doubts, questions or comments contact the Harken® distributors nearest to you or contact the Harken® Italy Technical Service by e-mail: techservice@harken.it
- See www.harken.com for additional safety information.
This manual gives information about the installation of the Dual Function Control Box for the following Harken® products:

- Winch Radial
- Winch Performa
- Winch Rewind
- Winch UniPower
- Winch Classic
- Captive Reel Winch
- FlatWinder™ 250
- FlatWinder™ 500

**NOTE!**

All other information are described into the User manual for Dual Function Control Box provided by Harken® and explained into the following paragraphs:

- **INTRODUCTION**
- **OVERVIEW**
- **INSTALLATION**
- **USAGE**
- **DIAGNOSTICS, TROUBLESHOOTING AND FAULTS**

The User manual for Dual Function Control Box is provided into the packaging of the winch and available on the website www.harken.com

**CAUTION!**
The device must only be installed by specialised personnel

**CAUTION!**
Cut power off before proceeding with installation.

**CAUTION!**
Each winch features its own Dual Function Control Box: check the correct association before installing.
NOTE!
For 2 or less Digital System Switches, the decoder is not necessary
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Fig. 5

WINCH UNIPOWER

NOTE!
For 2 or less Digital System Switches, the decoder is not necessary.
NOTE!
For BRS buttons installations: do not use Digital System Switches
NOTE!
For 2 or less Digital System Switches, the decoder is not necessary
For 2 or more Digital System Switches:
- the decoder is necessary
- connect the DSS outputs to BRS1 and BRS2 inputs
- the connection to the motor follows the wiring schemes shown in this manual
- for UniPower Winch use Single DSS version
NOTE!

For BRS buttons installations: do not use Digital System Switches
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For BRS buttons installations: do not use Digital System Switches

Do not use DSS
**NOTE!**

*For 2 or less Digital System Switches, the decoder is not necessary*
NOTE!
For BRS buttons installations: do not use Digital System Switches

Do not use DSS

Provided by Harken

Not provided by Harken

Provided by Harken

6 ways connectors

Motor Thermal Protection

HCP

Current Monitor Optional

Battery

6 ways connector

Dual Function Control Box

Fuse 5A

To Tensioner

Run/Stop