

L3001 Rev. A 04/10

1.0 IMPORTANT RECEIVING INSTRUCTIONS

Visually inspect all components for shipping damage. Shipping damage is **not** covered by warranty. If shipping damage is found, notify carrier at once. The carrier is responsible for all repair and replacement costs resulting from damage in shipment.

2.0 SAFETY PRECAUTIONS



DANGER: HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH.



DANGER: Failure to follow the instructions and precautions contained in this document will result in death or serious injury.



WARNING: Lockout power before beginning control box installation procedures or before performing any inspections, adjustments, maintenance or repairs.

Failure to observe these precautions may result in serious personal injury or death!

- Lockout power to control box before removing or installing fuses or making load side connections.
- Lockout power to control box before performing any wiring or service work on or inside the box.
- Never operate energized control box with door open. Never disable the door interlock (if present).
- Wear and use appropriate personal protective equipment (PPE) and follow safe electrical work practices during control box installation.
- Before operating the controls, be absolutely certain that there are no persons or objects in the path of the Uni-Lift® actuator(s) being controlled or the load(s) being raised, lowered or moved.
- Contact Enerpac before incorporating Uni-Lift® products into a man lift or other people moving device (special design requirements apply).

3.0 INSTALLATION

- The control box and related electrical equipment must be installed and serviced only by trained and qualified electricians in accordance with all applicable codes and regulations.
- The control box is manufactured by an Enerpac approved supplier. Manufacturer's instructions and/or wiring diagrams may be packed inside the shipping carton. If present, refer to these materials during installation procedures.
- Be sure that control box components are properly sized for the motor being used. Be sure that the motor is specified in accordance with the stated requirements contained in the *Enerpac Uni-Lift® Actuator Catalog #E500*.



Note: Control box shown above is typical. However, appearance and controls will vary, depending on model ordered.

IMPORTANT: Enerpac recommends the use of limit switches or other appropriate controls to stop the motor when the actuator has reached its fully extended or retracted position. The use of solid mechanical stops alone is not recommended. Their continued use can cause severe damage to the Uni-Lift® actuator and other components in the system. Limit switches are available from Enerpac as accessories.

- Comply with and adhere to all applicable safety codes for your area, such as: building codes, elevator codes, AISC Steel Construction specifications, and applicable regulations and standards (including OSHA Title 29, Chapter 1910-219 and ANSI B15.1). **Note:** Applicable safety codes, regulations and standards will vary depending on country and local requirements.
- Test for proper operation before placing the Uni-Lift® system into service. Verify that all control box switches and functions operate correctly.
- Contact Enerpac or your Enerpac distributor there are any questions or concerns regarding control box installation or operation.

Enerpac Worldwide Locations

◆ e-mail: info@enerpac.com

◆ internet: www.enerpac.com

Africa

ENERPAC Middle East FZE
Office 423, JAFZA 15
P.O. Box 18004
Jebel Ali, Dubai
United Arab Emirates
Tel: +971 (0)4 8872686
Fax: +971 (0)4 8872687

Australia, New Zealand Actuant Australia Ltd.

Block V Unit 3
Regents Park Estate
391 Park Road
Regents Park NSW 2143
(P.O. Box 261) Australia
Tel: +61 297 438 988
Fax: +61 297 438 648

Brazil

Power Packer do Brasil Ltda.
Rua dos Inocentes, 587
04764-050 - Sao Paulo (SP)
Tel: +55 11 5687 2211
Fax: +55 11 5686 5583
Toll Free in Brazil:
Tel: 0800 891 5770
vendasbrasil@enerpac.com

Canada

Actuant Canada Corporation
6615 Ordan Drive, Unit 14-15
Mississauga, Ontario L5T 1X2
Tel: +1 905 564 5749
Fax: +1 905 564 0305
Toll Free:
Tel: +1 800 268 4987
Fax: +1 800 461 2456
Technical Inquiries:
techservices@enerpac.com

China

Actuant Industries Co. Ltd.
No. 6 Nanjing Road
Taicang Economic Dep Zone
Jiangsu, China
Tel: +86 0512 5328 7529
+86 0512 5328 7500 7529
Fax: +86 0512 5335 9690

Actuant China Ltd. (Peking)

709B Diyang Building
Xin No. 2
Dong San Huan North Rd.
Beijing City
100028 China
Tel: +86 10 845 36166
Fax: +86 10 845 36220

France, Switzerland francophone

ACTUANT - ENERPAC
France S.A., ZA de Courtaboeuf
32, avenue de la Baltique
91140 Villebon / Yvette
France
Tel: +33 1 60 13 68 68
Fax: +33 1 69 20 37 50

Germany, Austria, Switzerland, Greece, Baltic States, Central and Eastern Europe

ENERPAC GmbH
P.O. Box 300113
D-40401 Düsseldorf
Willstätterstrasse13
D-40549 Düsseldorf
Germany
Tel: +49 211 471 490
Fax: +49 211 471 49 28

India

ENERPAC Hydraulics
(India) Pvt. Ltd.
No. 1A,
Peenya Industrial Area,
IInd Phase
Bangalore, 560 058 India
Tel: +91 80 40 792 777
Fax: +91 80 40 792 792

Italy

ENERPAC S.p.A.
Via Canova 4
20094 Corsico (Milano)
Tel: +39 02 4861 111
Fax: +39 02 4860 1288

Japan

Applied Power Japan LTD KK
Besshochou 85-7
Kita-ku,
Saitama-shi 331-0821
Japan
Tel: +81 48 662 4911
Fax: +81 48 662 4955

Middle East, Turkey and Caspian Sea

ENERPAC Middle East FZE
Office 423, JAFZA 15
P.O. Box 18004
Jebel Ali, Dubai
United Arab Emirates
Tel: +971 (0)4 8872686
Fax: +971 (0)4 8872687

Russia and CIS (excl. Caspian Sea Countries)

Actuant LLC
Admiral Makarov Street 8
125212 Moscow, Russia
Tel: +7-495-9809091
Fax: +7-495-9809092

Sweden, Denmark, Norway, Finland and Iceland

ENERPAC Scandinavia AB
Fabriksgatan 7
412 50 Gothenburg
Sweden
Tel: +46 31 7990281
Fax: +46 31 7990010
scandinavianinquiries@enerpac.com

Singapore

Actuant Asia Pte. Ltd.
37C, Benoi Road Pioneer Lot,
Singapore 627796
Tel: +65 68 63 0611
Fax: +65 64 84 5669
Toll Free: +1800 363 7722
Technical Inquiries:
tech.service-sg@enerpac.com

South Korea

Actuant Korea Ltd.
3Ba 717,
Shihwa Industrial Complex
Jungwang-Dong, Shihung-Shi,
Kyunggi-Do
Republic of Korea 429-450
Tel: +82 31 434 4506
Fax: +82 31 434 4507

Spain and Portugal

ENERPAC SPAIN, S.L.
Avda. Los Frailes, 40 – Nave C
& D
Pol. Ind. Los Frailes
28814 DAGANZO DE ARRIBA
(Madrid)
Spain
Tel: +34 91 884 86 06
Fax: +34 91 884 86 11

Sweden, Denmark, Norway, Finland and Iceland

Enerpac Scandinavia AB
Fabriksgatan 7
412 50 Gothenburg
Sweden
Tel: +46 (0) 31 7990281
Fax: +46 (0) 31 7990010
Inquiries:
Scandinavianinquiries@enerpac.com

The Netherlands, Belgium, Luxembourg

ENERPAC B.V.
Galvanistraat 115, 6716 AE Ede
P.O. Box 8097, 6710 AB Ede
The Netherlands
Tel: +31 318 535 800
Fax: +31 318 525 613
+31 318 535 848
beneluxinquiries@enerpac.com
Technical Inquiries Europe:
techsupport.europe@enerpac.com

United Kingdom, Ireland Enerpac Ltd

Bentley Road South
Darlaston, West Midlands
WS10 8LQ, United Kingdom
Tel: +44 (0)121 50 50 787
Fax: +44 (0)121 50 50 799

USA, Latin America and Caribbean

ENERPAC
P.O. Box 3241
6100 N. Baker Road
Milwaukee, WI 53209 USA
Tel: +1 262 781 6600
Fax: +1 262 783 9562

User inquiries:

+1 800 433 2766

Inquiries/orders:

+1 800 558 0530

Technical Inquiries:

techservices@enerpac.com

ENERPAC

704 W. Simonds
Dallas, TX 75159 USA
Tel: +1 972 287 2390
Fax: +1 972 287 4469

09/30/09

All Enerpac products are guaranteed against defects in workmanship and materials for as long as you own them. For your nearest authorized Enerpac Service Center, visit us at www.enerpac.com