SELF-CONTAINED ELECTRONIC GOVERNOR

TYPE EG-101
PART NO. 38V37

(APPENDIX TO FORM 9161)

The LINDE Electronic Governor Type EG-101 is the basic electronic governor with integral controls (as described in Form 9161). The following pages contain a replacement parts list, pictures, and a circuit diagram for this governor.
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Lithographed in U.S.A.
Replacement Parts

FOR
"LINDE" ELECTRONIC GOVERNOR TYPE EG-101
PART NO. 38V37

HOW TO ORDER REPLACEMENT PARTS

1. Replacement parts can be identified on the keyed illustrations which follow this parts list. Each part bears a name and a number. The majority of parts also show in parentheses the symbol number (R-101, C-103) which identifies the part on the circuit diagram. When ordering parts from LINDE, order by part number and part name as given on the illustrations. DO NOT ORDER BY PART NUMBER ALONE, OR BY SYMBOL NUMBER.

2. Be sure that your order specifies the quantity of each part needed.

3. Always state the series or serial number of the governor on which the part is to be used. When available, list the governor symbol also. (This information appears on the governor nameplate.)

4. Indicate any special shipping instructions.

5. When ordering parts from LINDE, use the LINDE district office nearest you.

IMPORTANT: Almost all parts used in this governor are standard commercial parts. In an emergency you can order them from LINDE. However, it will save you time and money to purchase these parts from a local electronics outlet, or directly from the manufacturer. (Full descriptions of the parts are given in the list below.) When doing so, use the manufacturer's part number or designations. The LINDE part number is for use only when ordering from LINDE.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>04N32</td>
<td></td>
<td>Cabinet</td>
</tr>
<tr>
<td>04N33</td>
<td></td>
<td>Chassis</td>
</tr>
<tr>
<td>04N34</td>
<td></td>
<td>Terminal Strip Mounting Plate</td>
</tr>
<tr>
<td>04N46</td>
<td></td>
<td>Governor Guard</td>
</tr>
<tr>
<td>89W65</td>
<td></td>
<td>Grommet - 3/8-in. S.A.E. Std. Rubber</td>
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<tr>
<td>89W70</td>
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<td>Connector - Steel City Electric, Pitts., Pa., Cat. 522</td>
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<td>89W60</td>
<td>R106</td>
<td>Resistor - Ohmite 25 Watt, 25 Ohm Resistor No. 0385</td>
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<tr>
<td>92W23</td>
<td></td>
<td>Bottom Plate - Bud Radio, Inc. No. BP-667</td>
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<tr>
<td>92W26</td>
<td>TR101</td>
<td>Transformer - Standard Transformer Co. No. P-3024</td>
</tr>
<tr>
<td>92W27</td>
<td>C-103,C-104,C-105</td>
<td>Condenser - Mallory No. PP-357</td>
</tr>
<tr>
<td>92W28</td>
<td>TR102</td>
<td>Transformer - United Transformer Co. No. FT-2</td>
</tr>
<tr>
<td>92W29</td>
<td></td>
<td>Socket - American Phenolic Corp. No. 78RS8 (2 used)</td>
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<tr>
<td>92W30</td>
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<td>Socket - Johnson No. 123-290B</td>
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<td>92W31</td>
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<td>Tube Clip - National Radio Products Type 12</td>
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<td>92W32</td>
<td>SR101</td>
<td>Rectifier - Federal Selenium Rectifier No. 439D4200 500</td>
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<tr>
<td>92W33</td>
<td>Bias Battery</td>
<td>Battery EVEREADY 4-1/2 V No. 781</td>
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<tr>
<td>92W34</td>
<td>R-101</td>
<td>Resistor - International Resistance Co. BTA-56,000 Ohms</td>
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<tr>
<td>92W35</td>
<td>R-104</td>
<td>Resistor - International Resistance Co. BTA-510,000 Ohms</td>
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<tr>
<td>92W36</td>
<td>R-103</td>
<td>Resistor - International Resistance Co. BTA-1,800 Ohms</td>
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<tr>
<td>92W37</td>
<td>R-105</td>
<td>Resistor - International Resistance Co. BT2-1,000 Ohms</td>
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<td>92W38</td>
<td>R-102</td>
<td>Resistor - Ohmite &quot;Brown Devil&quot;’ - 10 Watt, 1 Ohm</td>
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<tr>
<td>92W39</td>
<td>C-102</td>
<td>Condenser - Mallory No. TP-408 - .005 MPD 600 WVDC</td>
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<tr>
<td>92W40</td>
<td>C-101</td>
<td>Condenser - Mallory No. TP-426 - .05 MPD 400 WVDC</td>
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<td>92W41</td>
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<td>Terminal Plate - Miller Mfg. Co. No. 450</td>
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<td>92W42</td>
<td>TD-101</td>
<td>Time Delay Relay - Amperite Co. No. 2N030</td>
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(Continued on next page.)
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<tr>
<th>PART NO.</th>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
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<tr>
<td>92W43</td>
<td>T-102</td>
<td>Voltage Regulator Tube - RCA No. 0C3VR105</td>
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<tr>
<td>92W44</td>
<td>F-101,F-102</td>
<td>Battery Clamp, Weston Part No. 72901</td>
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<tr>
<td>92W45</td>
<td>T-101</td>
<td>Fuse - 2 Amp. No. 3 AG &quot;Slo-Blo&quot; Littlefuse Co. Cat. No. 313002</td>
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<tr>
<td>92W46</td>
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<td>Thyatron Tube - Electrons, Inc. No. EL C3J</td>
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<tr>
<td>92W47</td>
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<td>Terminal Strip - H. B. Jones Co. No. 12-140</td>
</tr>
<tr>
<td>92W50</td>
<td></td>
<td>Grommet - Atlantic India Rubber Works Cat. No. 1070</td>
</tr>
<tr>
<td>93W31</td>
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<td>Condenser Socket - P.R. Mallory &amp; Co., Plug-In Socket for FP Condenser Cat. No. PS4</td>
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<tr>
<td>92W77</td>
<td>Speed Indicator P-101</td>
<td>Meter - Weston Model #301 D.C. Bakelite Case, Flush Mounting</td>
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<td>92W75</td>
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<td>Potentiometer - Mallory, Type Bloom, 100,000 Ohms</td>
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<tr>
<td>92W65</td>
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<td>Knob - Mallory #366</td>
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<td>92W63</td>
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<td>Dial Plate - Mallory #369</td>
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<td>92W76</td>
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<td>Reversing Switch - Cutler Hammer, Inc. #7612-K3, Complete with Dust Cap</td>
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<tr>
<td>D-247572</td>
<td>R-107</td>
<td>Resistor - International Resistance Co. BTA, 82,000 Ohms, 5% Total</td>
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</tbody>
</table>

All circuit wiring is No. 16 Awg. Stranded Type SRIR except: Thyatron Tube Filament Circuit is Type TW #12 Stranded Building Code Wire.
FIG. 1 - FRONT VIEW

FIG. 2 - REAR VIEW WITH CABINET REMOVED
THE TYPE EG-102 GOVERNOR (PART NO. 38Y06) INCLUDES THE COMPONENTS ENCLOSED WITHIN THE DOTTED LINE ABOVE.


IN SOME APPLICATIONS, ONE OR MORE OF THE CONTROLS MAY BE REMOTELY LOCATED, AND SOME ITEMS, SUCH AS THE SPEED INDICATOR OR REVERSING SWITCH, MAY BE OMITTED.

THE MOTOR IS NOT A PART OF EITHER THE EG-101 OR THE EG-102 GOVERNOR.

CIRCUIT DIAGRAM - C-244996 FOR ELECTRONIC GOVERNORS

EG-101-PART NO. 38Y37
EG-102-PART NO. 38Y06
LINDE Supplies These Quality Products to the Nation's Industries

INDUSTRIAL GASES
LINDE Oxygen, Nitrogen, Argon, Neon, Helium, Krypton, Xenon, Hydrogen

PREST-O-LITE Acetylene

CALCIUM CARBIDE
UNION Carbide

CARBIC Processed Carbide

OXY-ACETYLENE EQUIPMENT
OXWELD Apparatus for Cutting, Joining, Treating, and Forming Metals
Acetylene Generators
Manifolds, Regulators and Valves
Welding Rods and Supplies

PREST-O-WELD Welding and Cutting Apparatus

PUROX Welding and Cutting Apparatus

PREST-O-LITE Air-Acetylene Apparatus and Small Tanks

CARBIC Acetylene Flood Lights
Acetylene Generators

ELECTRIC WELDING EQUIPMENT
UNIONMELT Automatic Welding Apparatus and Supplies

HELIARC Welding Torches
LINDE Sigma Welding Equipment

SPECIAL EQUIPMENT
LINDE Jet-Piercing Equipment
Plate-Edge Preparation Equipment
Polyethylene Powder and Flame-Spraying Equipment
Steel-Conditioning Machines
Sub-Zero Cold Treatment Equipment

OXWELD Oxy-Acetylene Cutting Machines
Pressure-Welding Machines

OXYGEN THERAPY SUPPLIES
LINDE Oxygen U.S.P.
Oxygen Therapy Regulators
Oxygen Therapy Manifolds and Valves

SYNTHETIC CRYSTALS
LINDE Synthetic Sapphire, Ruby, Spinels, and Titania
Synthetic Calcium- and Cadmium Tungstates
Fine Alumina Abrasive

ORGANOSILICONS
LINDE Silane Monomers
Polyisiloxane Polymers and Resins


LINDE AIR PRODUCTS COMPANY
A DIVISION OF UNION CARBIDE AND CARBON CORPORATION

SEP 1961

DOMINION OXYGEN COMPANY, LIMITED, TORONTO

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Eastern States
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532 East 25th Street
BOSTON 16, MASS.
411 Stuart Street
BUFFALO 2, N. Y.
250 Delaware Ave.
CHARLESTON 1, W. VA.
2 Virginia Street
NEW YORK 17, N. Y.
295 East 42nd Street
PHILADELPHIA 22, PA.
1421 North Broad Street
PITTSBURGH 19, PA.
311 Ross Street

Central States
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230 North Michigan Avenue
CINCINNATI 29, OHIO
753 Welles Avenue
CLEVELAND 14, OHIO
1513-17 Superior Avenue
DETROIT 2, MICH.
6240 General Motors Building
INDIANAPOLIS 4, IND.
729 North Pennsylvania Street
MILWAUKEE 46, WIS.
3625 South 35th Street
MINNEAPOLIS 2, MINN.
827 Second Avenue, South
ST. LOUIS 8, MO.
4209 Forest Park Boulevard

Southern States
ATLANTA 2, GA.
350 Peachtree Street, N. E.
BIRMINGHAM 5, ALA.
1000-13 South 22nd Street
JACKSONVILLE 3, Fla.
2410 Dennis Street
KNOXVILLE 5, TENN.
48 West McMullen Avenue
NEW ORLEANS 15, LA.
228-32 Howard Avenue

Southwestern States
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3626 Commerce Street
DENVER 9, Colo.
615 South Broadway
HOUSTON 11, TEXAS
6159 Harrisburg Boulevard
KANSAS CITY 6, MO.
910 Baltimore Avenue
TULSA 1, OKLA.
614 National Bank of Tulsa Bldg.

Western States
EL PASO, TEXAS
510 Texas Street
LOS ANGELES 58, CALIF.
2774 Leonis Boulevard
PHOENIX, ARIZ.
403 East Buchanan Street
PORTLAND 9, ORE.
1205 Northwest Marshall Street
SALT LAKE CITY 1, UTAH
362 First Avenue
SAN FRANCISCO 6, CALIF.
22 Battery Street
SEATTLE 4, WASH.
2301 First Avenue, South
SPOKANE 12, WASH.
2023 West Maxwell Avenue

In Canada
Dominion Oxygen Company, Limited
TORONTO 14 - MONTREAL
WINNIPEG - VANCYVAR

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