The LINDE Electronic Governor, Type EG-102 is the Basic Governor less controls. The information in Form 9161, "Instructions for LINDE Electronic Governors for 115-Volt, 50- to 60-Cycle Service" applies to this governor, with the following exception:

The items listed below (these appear in Figure 2, the schematic diagram in F-9161) are not included as part of the governor assembly:

- Speed Indicator
- Speed Indicator Resistor R-107
- Speed Control Potentiometer P-101
- Motor Reversing Switch SW-102

These controls (or other components which perform the same control functions) will be mounted in remote positions, and connected to the governor terminal strip through insulated leads. They can be purchased from LINDE as required.

When the governor is purchased as an integral part of standard LINDE apparatus, the above (or equivalent) controls are furnished with the equipment as needed.
Replacement Parts List

FOR
“LINDE” ELECTRONIC GOVERNOR - TYPE EG-102
PART NO. 38V06

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 parenthesis 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>
</tr>
</thead>
<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>04N36</td>
<td></td>
<td>Meter Hole Cover</td>
</tr>
<tr>
<td>04N42</td>
<td></td>
<td>Battery Cover</td>
</tr>
<tr>
<td>04N46</td>
<td></td>
<td>Governor Guard</td>
</tr>
<tr>
<td>8OW85</td>
<td></td>
<td>Grommet 3/8-in. S.A.E. Standard Rubber</td>
</tr>
<tr>
<td>88W10</td>
<td></td>
<td>Connector - Steel City Electric, Pitts., Pa., Cat. 522</td>
</tr>
<tr>
<td>8OW60</td>
<td>R-106</td>
<td>Resistor - Ohmite 25 Watt, 25 Ohm Resistor No. 0365</td>
</tr>
<tr>
<td>9OW10</td>
<td></td>
<td>Fuse Mount (2 Used) Bussman Mfg. Co. “Buss” H.K.M.</td>
</tr>
<tr>
<td>92W23</td>
<td></td>
<td>Bottom Plate - Bud Radio, Inc. No. BP-667</td>
</tr>
<tr>
<td>94W99</td>
<td>SW-101</td>
<td>Switch - Hart Mfg. Co. No. 2160A</td>
</tr>
<tr>
<td>92W26</td>
<td>TR-101</td>
<td>Transformer - Standard Transformer Co. No. P-3024</td>
</tr>
<tr>
<td></td>
<td>C-103</td>
<td></td>
</tr>
<tr>
<td>92W27</td>
<td>C-104</td>
<td>Condenser - Mallory No. FP-357</td>
</tr>
<tr>
<td>92W28</td>
<td>TR-102</td>
<td>Transformer - United Transformer Co. No. FT-2</td>
</tr>
<tr>
<td>92W29</td>
<td></td>
<td>Socket - American Phenolic Corp. No. 78R58 (2 Used)</td>
</tr>
<tr>
<td>92W30</td>
<td></td>
<td>Socket - Johnson No. 123-209B</td>
</tr>
<tr>
<td>92W31</td>
<td></td>
<td>Tube Clip - National Radio Products Type 12</td>
</tr>
<tr>
<td>92W32</td>
<td>SR-101</td>
<td>Rectifier - Federal Selenium Rectifier No. 1021 450M 130V 500MA</td>
</tr>
<tr>
<td>92W33</td>
<td>R-101</td>
<td>Battery EVEREADY 4-1/2V No. 781</td>
</tr>
<tr>
<td>92W34</td>
<td></td>
<td>Resistor - International Resistance Co. BTA-56,000 Ohms</td>
</tr>
<tr>
<td>92W35</td>
<td>R-104</td>
<td>Resistor - International Resistance Co. BTA-510,000 Ohms</td>
</tr>
<tr>
<td>92W36</td>
<td>R-103</td>
<td>Resistor - International Resistance Co. BTA-1,800 Ohms</td>
</tr>
<tr>
<td>92W37</td>
<td>R-105</td>
<td>Resistor - International Resistance Co. BT2-1,000 Ohms</td>
</tr>
<tr>
<td>96W23</td>
<td>R-102</td>
<td>Resistor - Ohmite “Brown Devil” - 25 Watt, 1 Ohm</td>
</tr>
<tr>
<td>93W39</td>
<td>C-102</td>
<td>Condenser - Mallory No. TP-408 -.005 MFD 600 WVDC</td>
</tr>
<tr>
<td>92W40</td>
<td>C-101</td>
<td>Condenser - Mallory No. TP-426 -.05 MFD 400 WVDC</td>
</tr>
<tr>
<td>92W41</td>
<td></td>
<td>Terminal Plate - Miller Mfg. Co. No. 450</td>
</tr>
<tr>
<td>92W42</td>
<td>TD-101</td>
<td>Time Delay Relay - Amerlite Co. No. 2N030</td>
</tr>
<tr>
<td>92W43</td>
<td>T-102</td>
<td>Voltage Regulator Tube - RCA 0C3VR105</td>
</tr>
<tr>
<td>92W44</td>
<td></td>
<td>Battery Clamp, Weston Part No. 72901</td>
</tr>
<tr>
<td>96W22</td>
<td>P101,F102</td>
<td>Fuse - 3.2 Amp. No. 3 AG “Slo-Blo” Littelluse Co. Cat. No. 31303.2 (4 Used)</td>
</tr>
<tr>
<td>92W46</td>
<td>T-101</td>
<td>Thyatron Tube - Electronics Inc. EL C3J</td>
</tr>
<tr>
<td>92W47</td>
<td></td>
<td>Terminal Strip - H.B. Jones Co. No. 12-140</td>
</tr>
<tr>
<td>92W48</td>
<td></td>
<td>3/8-in. Hole Plug (Snap Button Type)</td>
</tr>
<tr>
<td>92W49</td>
<td></td>
<td>1/2-in. Hole Plug (Snap Button Type)</td>
</tr>
<tr>
<td>93W31</td>
<td></td>
<td>Condenser Socket - P.R. Mallory &amp; Co., Plug in Socket for F P Condenser Cat. No. FS4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hook-up Wire is No. 16 AWG Stranded, Type SR1R</td>
</tr>
</tbody>
</table>

IMPORTANT NOTE: In Series 1 Electronic Governors, a 10 watt Resistor R-102 is mounted on the bottom of the chassis. To modernize Series 1 Governors, order the 25 watt Resistor R-102, Part No. 96W23. Conversion Instructions are furnished with this part.

The terms “Eveready” and “Linde” are registered trade-marks of Union Carbide and Carbon Corporation.
FIG. 1 - FRONT VIEW

COVER-04N36
CABINET-04N32

SWITCH-94W99
(5W-101)

PILOT LIGHT-92W24
(PL-101)

FUSE MOUNT-90W10
FUSE-96W22
(F-101, F-102)

GUARD-04N46

PLUG-92W48

PLUG-92W49

NOTE: Symbol number in parentheses identifies part on the circuit diagram.

FIG. 2 - REAR VIEW WITH CABINET REMOVED

V.R. TUBE-92W43
(T-102)

SOCKET-92W29

TUBE CLIP-92W3I

RELAY-92W42
(TD-101)

SOCKET-92W29

RESISTER-96W23
(R-102)

THYRATRON TUBE-92W46 (T-101)

SOCKET-92W30

TRANSFORMER-92W26
(TR-101)

SOCKET-93W31
CONDENSER-92W27
(C-103, C-104 & C-105)

RECTIFIER-92W32
(SR-101)

RESISTOR
89W60
(R-106)

GROMMET-80W85

COVER-04N42

BATTERY-92W33

CONNECTOR-88W70

CLAMP-92W44

BOTTOM PLATE-92W23

CHASSIS-04N35
NOTE:
THE CONTROL INCLUDES ONLY THE PARTS ENCLOSED BY DASHED LINES.

FIG. 4—CIRCUIT DIAGRAM FOR "LINDE" ELECTRONIC GOVERNORS EG-102—PART NO. 38V06
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 Mandrels, 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
HELIGRAC 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 Mandrels and Valves

SYNTHETIC CRYSTALS
LINDE Synthetic Sapphire, Ruby, Spinel, and Titania Synthetic Calcium- and Cadmium Tungstates Fina Alumina Abrasive

ORGANOSILICONES
LINDE Silane Monomers Polysiloxane Polymers and Resins


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

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2 Virginia Street
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PHILADELPHIA 22, Pa.
1621 North Broad Street
PITTSBURGH 19, Pa.
311 Ross Street

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230 North Michigan Avenue
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CLEVELAND 14, Ohio
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6200 General Motors Building
INDIANAPOLIS 4, Ind.
729 North Pennsylvania Street
MILWAUKEE 46, Wis.
1623 South 38th Street
MINNEAPOLIS 2, Minn.
827 Second Avenue, South
ST. LOUIS 8, Mo.
4228 Forest Park Boulevard

Southern States
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310 Peachtree Street, N. E.
BIRMINGHAM 1, Ala.
1023-25 South 22nd Street
JACKSONVILLE 3, Fla.
2410 Dennis Street
MEMPHIS 5, Tenn.
48 West McMillan Avenue
NEW ORLEANS 13, La.
828-32 Howard Avenue

Southwestern States
DALLAS 1, Texas
2026 Commerce Street
DENVER 9, Colo.
605 South Broadway
HOUSTON 11, Texas
6139 Harrisburg Boulevard
KANSAS CITY 6, Mo.
210 Baltimore Avenue
TULSA 3, Okla.
614 National Bank of Tulsa Bldg.

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PHOENIX, Ariz.
401 East Buchanan Boulevard
PORTLAND 9, Ore.
1205 Northwest Marshall Street
SALT LAKE CITY 1, Utah
562 Pierpoint Avenue
SAN FRANCISCO 6, Calif.
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SEATTLE 4, Wash.
3404 Fourth Ave., South
SPokane 12, Wash.
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