The LINDE Electronic Governor Type EG-203 is a modified, self-contained governor for 230-volt, 50- to 60-cycle service. All the material in Form 9256 applies to Governor Type EG-203 with one exception. There is no reversing switch built into Governor Type EG-203.

Refer to Figure 2, the schematic diagram, in Form 9256. Notice that the armature of the motor is connected to tube T101 through a reversing switch, SW102.

Now refer to Figure 1, below. Two changes have been made in the circuit. First, the reversing switch has been replaced by a reversing relay. Second, the contacts of an "on-off" relay have been connected into the line leading from T101. Both of these components, the on-off relay and the reversing relay, are included in the auxiliary apparatus. They are not included in the governor itself. Leads are brought out to the relay contacts through a main terminal strip on the governor. Actual connections are shown in the circuit diagram, Figure 5 of this Appendix.

The pages that follow include a replacement parts list, keyed pictures, and a circuit diagram of governor Type EG-203.
Replacement Parts List

**FOR**

"LINDE" ELECTRONIC GOVERNOR TYPE EG-203 PART NO. 38V45

**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-102) 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 of 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>04N42</td>
<td></td>
<td>Battery Cover</td>
</tr>
<tr>
<td>05N41</td>
<td></td>
<td>Terminal Strip Mounting Plate</td>
</tr>
<tr>
<td>05N42</td>
<td></td>
<td>Front Panel</td>
</tr>
<tr>
<td>08W85</td>
<td></td>
<td>Grommet - 3/8-in. S.A.E. Std Rubber</td>
</tr>
<tr>
<td>09N09</td>
<td></td>
<td>Chassis</td>
</tr>
<tr>
<td>88W70</td>
<td></td>
<td>Connector - Steel City Electric Cat. No. 522 (3 used)</td>
</tr>
<tr>
<td>89W26</td>
<td>R-109</td>
<td>Resistor - BTA 100,000 Ohms, International Resistance Co.</td>
</tr>
<tr>
<td>90W20</td>
<td></td>
<td>Fuse Mount - Bussman Mfg. Co. &quot;Buss&quot; H.K.P. (2 used)</td>
</tr>
<tr>
<td>90W24</td>
<td>F101, F102</td>
<td>Fuse - 5-Amp. Type 3AG (2 used)</td>
</tr>
<tr>
<td>92W11</td>
<td></td>
<td>Terminal Strip - H.B. Jones No. 4-141</td>
</tr>
<tr>
<td>94W99</td>
<td>SW101</td>
<td>Switch - Hart Mfg. Co., No. 2160A</td>
</tr>
<tr>
<td>92W28</td>
<td>TR102</td>
<td>Transformer - United Transformer Corp., No. FT-2</td>
</tr>
<tr>
<td>92W29</td>
<td></td>
<td>Socket - American Phenolic Corp. No. 78RS8 (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 Typo 12</td>
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<tr>
<td>92W32</td>
<td>SR101, SR102</td>
<td>Rectifier - Federal Selenium Rectifier No. 1021 500 MA (2 used)</td>
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<tr>
<td>92W33</td>
<td></td>
<td>EVEREADY Battery 4-1/2 V. No. 781</td>
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<tr>
<td>92W34</td>
<td>R101</td>
<td>Resistor - BTA 56,000 Ohms, International Resistance Co.</td>
</tr>
<tr>
<td>92W35</td>
<td>R104</td>
<td>Resistor - BTA 510,000 Ohms, International Resistance Co.</td>
</tr>
<tr>
<td>92W36</td>
<td>R103</td>
<td>Resistor - BTA 1,800 Ohms, International Resistance Co.</td>
</tr>
<tr>
<td>92W38</td>
<td>R102</td>
<td>Resistor - Ohmite &quot;Brown Devil&quot; 10 Watt - 1 Ohm</td>
</tr>
<tr>
<td>92W39</td>
<td>C102</td>
<td>Condenser - Cornell Dubilier PTE 66 0.005 Mfd 600 WVDC</td>
</tr>
<tr>
<td>92W40</td>
<td>C101</td>
<td>Condenser - Cornell Dubilier PTE 66 0.05 Mfd 600 WVDC</td>
</tr>
<tr>
<td>92W41</td>
<td></td>
<td>Terminal Plate - Miller Mfg. Co. No. 450</td>
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<tr>
<td>92W44</td>
<td>TD101</td>
<td>Time Delay Relay - Amperite Co. No. 2N030</td>
</tr>
<tr>
<td>92W45</td>
<td>T102</td>
<td>Voltage Regulator Tube - RCA No. OC3VR105</td>
</tr>
<tr>
<td>92W79</td>
<td></td>
<td>Voltage Regulator Tube - RCA No. OD3VR150 (See Note 3, Fig. 5.)</td>
</tr>
<tr>
<td>92W44</td>
<td></td>
<td>Battery Clamp - Weston Part No. 72901</td>
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<tr>
<td>92W46</td>
<td>T101</td>
<td>Thratron Tube - No. EL-C3J</td>
</tr>
<tr>
<td>92W63</td>
<td></td>
<td>Dial Plate - Mallory No. 369</td>
</tr>
<tr>
<td>92W65</td>
<td></td>
<td>Knob - Mallory No. 368</td>
</tr>
<tr>
<td>92W67</td>
<td></td>
<td>Potentiometer - Allen-Bradley, 100,000 Ohms, Molded Composition Cat. # 11041</td>
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<tr>
<td>92W77</td>
<td>SI</td>
<td>Meter - Weston Model No. 201 D.C., 01 Milliammeter</td>
</tr>
<tr>
<td>93W35</td>
<td>R107</td>
<td>Resistor - BTA 100,000 Ohms - 5% Tolerance, International Resistance Co.</td>
</tr>
<tr>
<td>93W36</td>
<td>R106</td>
<td>Resistor - Ohmite 50 Watt, 100 Ohms No. 0565 with (2) Centering Washers</td>
</tr>
<tr>
<td>94W92</td>
<td></td>
<td>Terminal Strip - H.B. Jones No. 14-141</td>
</tr>
<tr>
<td>96W30</td>
<td>R105</td>
<td>Resistor - 5,000 Ohms, 10 Watt, International Resistance Co.</td>
</tr>
<tr>
<td>94W04</td>
<td>WL</td>
<td>Lamp - GE 40 Watt, 120 Volt, Frosted</td>
</tr>
<tr>
<td>94W05</td>
<td></td>
<td>Lamp Socket - Bryant No. 4063</td>
</tr>
<tr>
<td>94W07</td>
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<td>Bottom Plate - Bud Radio Inc., BP 539</td>
</tr>
<tr>
<td>94W08</td>
<td></td>
<td>Condenser - Mallory FP 346</td>
</tr>
<tr>
<td>94W09</td>
<td></td>
<td>Transformer - United Transformer Corp. No. CG-34</td>
</tr>
<tr>
<td>94W10</td>
<td></td>
<td>Condenser Socket - Mallory PS-6</td>
</tr>
<tr>
<td>D-263022</td>
<td>R108*</td>
<td>Resistor, Ohmite 300 Watt, 10 Ohms, &quot;Corrib&quot;</td>
</tr>
</tbody>
</table>

All circuit wiring is No. 16 AWG stranded type SrIR except filament leads on tube T101. These are type TW No. 12, stranded building code wire.

*R resistor R-108 is not included in the governor assembly; it is furnished as part of associated apparatus in the HWN-1 machine.

*The terms "Eveready" and "Linde" are registered trade-marks of Union Carbide Corporation.*
FIG. 4 – Electronic Governor EG-203 – Rear View

- Transformer - 94W09
- VR Tube - 92W43
- Socket - 92W29
- Time Delay Relay - 92W42
- Rectifier - 92W32
- Condenser - 94W08
- Socket - 94W10
- Clamp - 92W44
- Lamp - 94W04
- Socket - 94W05
- Resistor - 93W35
- Back of Meter
- Resistor - 92W38
- Socket - 92W30
- Tube Clip - 92W31
- Resistor - 92W11
- Connector - 88W70
- Bottom Plate - 94W07
- Cover - 04N42
- Battery - 92W33 (Bias Battery)
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Molecular Sieves


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