Application
RML-935 are rugged molded dry type current transformers typically used in substations requiring high current monitoring capability or other applications both for indoor and outdoor locations. RML transformers are available in a wide range of ratios up to 12,000:5 and high current levels depending on accuracy and burden requirements.

Fabrication
ITEC uses wound cores of high permeability and low loss electrical grade silicone steel that optimizes performance and physical size of the transformers.

High Grade insulation materials are used between the windings and the core and between winding layers. To achieve maximum mechanical and electrical performance, all windings or sections are evenly distributed around the periphery of the core.

The transformer is encapsulated utilizing polyurethane resin which provides an excellent mechanical protective body and long term dielectric performance in a wide range of temperatures and environments.

The secondary terminals are ¼"-20 studs with hardware located in a terminal box with two conduit openings (1" NPT) and a cover plate for ease of electrical connection.

Accuracy
RML’s are available with relay accuracy up to C800 and a metering accuracy of 0.3 B0.1…B1.8 is available depending upon ratio. Typical rating factor is 1.0. Please consult factory for your specific applications.

Magnetic Circuits
DDC’s are available with single, dual and multi-ratio for meter and or relay accuracy. Please consult factory for your specific application.

Specification Requirements
When specifying an RML the following information is required at time of quotation.

1. Ratio
2. Winding type (single, dual or multi-ratio)
3. Primary and Secondary current
4. Accuracy and Burden requirements
5. Mounting details with installation requirements

Mounting
All RML’s are provided with mounting feet for ease of installation. If special mounting is required please consult factory at time of quotation

Testing
Every transformer is tested in accordance with IEEE Standard C57.13 (latest revision).
Product Data
RML-935
Current Transformer
8.7 kV Class
75 kV BIL

Molded Outdoor Window Current Transformer

Dimensions and Details

![Diagram of Molded Outdoor Window Current Transformer]

<table>
<thead>
<tr>
<th>Ratio</th>
<th>Meter Accuracy</th>
<th>Relay Accuracy</th>
<th>Rating Factor</th>
<th>Catalog Number with Mounting Feet</th>
<th>Catalog Number with Mounting Feet and Terminal Box</th>
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</thead>
<tbody>
<tr>
<td>1000:5</td>
<td>0.3 @ B0.5</td>
<td>C100</td>
<td>1.0</td>
<td>L18S010C100H01</td>
<td>L18S010C100H03</td>
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<tr>
<td>1500:5</td>
<td>0.3 @ B0.5</td>
<td>C100</td>
<td>1.0</td>
<td>L18S015C100H01</td>
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<td>2000:5</td>
<td>0.3 @ B0.9</td>
<td>C200</td>
<td>1.0</td>
<td>L18S020C200H01</td>
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<tr>
<td>2500:5</td>
<td>0.3 @ B0.9</td>
<td>C200</td>
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<td>L18S025C200H01</td>
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</tr>
<tr>
<td>3000:5</td>
<td>0.3 @ B1.8</td>
<td>C400</td>
<td>1.0</td>
<td>L18S030C200H01</td>
<td>L18S030C200H03</td>
</tr>
<tr>
<td>4000:5</td>
<td>0.3 @ B1.8</td>
<td>C400</td>
<td>1.0</td>
<td>L18S040C400H01</td>
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<td>C400</td>
<td>1.0</td>
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<td>L18S050C400H03</td>
</tr>
<tr>
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<td>C400</td>
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<td>L18S060C400H01</td>
<td>L18S060C400H03</td>
</tr>
<tr>
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<tr>
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<td>C800</td>
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<td>L18S080C800H03</td>
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<tr>
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<td>C800</td>
<td>1.0</td>
<td>L18S090C800H01</td>
<td>L18S090C800H03</td>
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<tr>
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<td>0.3 @ B1.8</td>
<td>C800</td>
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<td>L18S100C800H01</td>
<td>L18S100C800H03</td>
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<td>1.0</td>
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</tr>
</tbody>
</table>

Notes:
1. Nameplate
2. 1/4” – 20 secondary terminals
3. Low Voltage terminal markings
4. H1 Polarity Mark molded and painted white
5. X - Polarity Mark molded and painted white
6. Core & Coil Molded Assembly
7. Terminal Box (Optional)

This information is subject to change without notice.
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Other ratings and options may be available
Please contact the factory with your requirements.

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