Imperial Electric
Encoders for AC Hoist / Elevator Motors

Our AC Hoist motors are available with an Imperial Electric encoder. This provides an extra feature to make the elevator package easier to assemble and install in the field.

FEATURES
- Shaft Mounted
- 1024 PPR
- Positive D-Sub 9 pin Male connector
- Optional 35, 50, 75 feet cables available
- 1.000" Shaft Size
- Temperature: -4º to 158ºF (-20º to 70ºC)
- Output Channels: A+, B+, O+, and Compliments
- 5-30 Volt DC Supply Voltage
- Encoder Protective Guard
- 0850915 Replaces 0850466 and 0850354

ELECTRICAL SPECIFICATIONS
- Supply Voltage: 4.75-30VDC
- Current consumption: 40 mA Max.
- Output Circuit: Push-Pull
- Impulse Frequency: 300 kHz (max.)
- Logic level (high): Vcc-.7Volt
- Logic level (low): 0.25 Volt (max.)
- Pulses per revolution: 1024
- Output Signals: A+B+O+Compliments
- Output Connector: D-Sub 9 pin

MECHANICAL SPECIFICATIONS
- Speed: 6000 RPM max.
- Protection: IP65
- Temperature: -20C to +70C (-4F to +158F)
## Connections

<table>
<thead>
<tr>
<th>Function</th>
<th>Pin Number</th>
<th>Imperial Cable Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0850357</td>
</tr>
<tr>
<td>0 Volt</td>
<td>1</td>
<td>35 Feet</td>
</tr>
<tr>
<td>+ Volt</td>
<td>2</td>
<td>Black</td>
</tr>
<tr>
<td>A</td>
<td>3</td>
<td>Red</td>
</tr>
<tr>
<td>B</td>
<td>4</td>
<td>White</td>
</tr>
<tr>
<td>O</td>
<td>5</td>
<td>Blue</td>
</tr>
<tr>
<td>A compliment</td>
<td>6</td>
<td>White/Black</td>
</tr>
<tr>
<td>B compliment</td>
<td>7</td>
<td>Red/Black</td>
</tr>
<tr>
<td>O compliment</td>
<td>8</td>
<td>Green</td>
</tr>
</tbody>
</table>

## Output Signals

*Diagram showing electrical connections and signal outputs.*

**Note:**

1. Connect Encoder leads to 9-pin connector and control as shown in diagram and table.