## Rotation Indicators

## Introduction

A rotation indicator can display the status of a rotation device. It has a multiple of 4 lamps distributed evenly on its ring base as shown in the following figure. By controlling the lamps' on and off, it generates intuitively understandable messages for showing the status of the associated device.


You can command the object to do the following:

1) Turn off all the lamps to indicate that the device is off or inactive.
2) Turn on only the lamp that is the closest one to the specified angle to indicate the angular position of the device.
3) Make the lamps take turns to light in the specified sequence to generate the visual effect of rotation.
4) Turn on only the lamp of degree-zero to indicate that the device is ready or at its initial position.
5) Turn on all the lamps to indicate that the device is shut down or under initialization.
6) Blink all the lamps together with the specified speed to indicate that the device has an urgent condition.

To create a rotation indicator, select the menu item "Object>>Graph/Chart>>Range Indicator" and place the new object on the current screen.

## Configuration

This section describes how to define the general settings for a rotation indicator in the General page of the Rotation Indicator property sheet. The following is an example of the General page.


The following table describes each property in the General page.

| Property |  | Description |
| :---: | :---: | :---: |
| ID |  | The object's identifier. It is generated when the object is created. The identifier is unique within the screen where the object is on. The format of the ID's for the rotation indicators is RInnnn. |
| Note |  | You can type a note for the rotation indicator. |
| Number Of Lamps |  | Specifies how many lamps the object has. The maximum is 40. |
| Degree-0 Position |  | Specifies the position of degree 0 . There are four options: Top, Bottom, Left, and Right. |
| Ring Base | Width | The thickness of the ring in pixel. |
|  | Color | The color of the ring. |
|  | Border Thickness | The thickness of the ring border in pixel. Select 0 if no border is desired. |
|  | Border Color | The color of the ring border |
| Lamp | Radius | The radius of the lamps in pixel. |
|  | ON Color | The color of the lamps when they are turned on. |
|  | Off Color | The color of the lamps when they are turned off. |
|  | Blink Color | The color of the lamps when they are turned on while blinking. |
|  | Border <br> Thickness | The thickness of the lamps' border in pixel. Select 0 if no border is desired. |
|  | Border Color | The color of the lamps' border |




