

### Sercos Communication Phase Status (CP) Indicator

State	Description
Solid Orange	Phase -1: Autobaud detection in progress.
OFF	Phase 0: looking for a closed ring.
Flashing Red	Phase 1: looking for active nodes.
Alternating Red/Green	Phase 2: configuring nodes for communication.
Flashing Green	Phase 3: configuring device specific parameters
Solid Green	Phase 4: configured and active.

### Sercos Ring Status Indicator

State	Description	Recommended Action
Solid Green	The ring, drive, and axes are configured and actively communicating through to the nodes on the ring.	None.
Flashing Red	The module detects a setup or configuration fault with the ring.	Check your system setup and configuration as follows: <ul style="list-style-type: none"> <li>• Verify that drive and axes addresses are correct.</li> <li>• Remove excess axes from ring.</li> <li>• Make sure that application program has selected the proper Ring Cycle Period and communication rate.</li> </ul>
Solid Red	The module detects a hardware or installation fault with the ring.	Check your system hardware and installation as follows: <ul style="list-style-type: none"> <li>• Make sure that all cables are properly installed.</li> <li>• Make sure that cable is of the correct type and length.</li> <li>• Make sure that application program has configured the module ring transmit level to High when using specified cables.</li> <li>• Make sure that the drive transmit levels are set appropriately.</li> <li>• Inspect cables for degradation.</li> <li>• Inspect drives for any faults and correct them.</li> </ul>
Off	The module detects no ring data on its receiver or has not successfully completed phase 2.	Check your system and installation as follows: <ul style="list-style-type: none"> <li>• Make sure that all cables are properly installed.</li> <li>• Inspect cable for degradation and breakage.</li> <li>• Inspect drives for faults.</li> </ul>
Flashing Green	The ring, drive, or axes are not configured but at least one has been identified.	Not a problem if the system has not been configured. If you are having trouble configuring the ring, drive, and axes, make sure that the RSLogix 5000® project is set up properly for the equipment in use.

### Module Health and Communication Status (OK) Indicator

State	Description	Recommended Action
Off	The module is not operating.	<ul style="list-style-type: none"> <li>• Apply chassis power.</li> <li>• Verify that the module is completely inserted into the chassis and backplane.</li> </ul>
Flashing Green	The module has passed internal diagnostics, but has not established active communications.	None, if you have not configured the module.
Solid Green	<ul style="list-style-type: none"> <li>• Data is being exchanged.</li> <li>• The module is in the normal operating state.</li> </ul>	None. The module is ready for action.
Flashing Red	<ul style="list-style-type: none"> <li>• A major recoverable failure has occurred.</li> <li>• An NVS update is in progress.</li> </ul>	If an NVS update is in progress, complete the NVS update. If an NVS update is not in progress: Restart
Solid Red	A potential nonrecoverable fault has occurred.	<ul style="list-style-type: none"> <li>• Restart the module.</li> <li>• If the solid red persists, replace the module.</li> </ul>