



Technical Bulletin

Place a copy of this bulletin in the front of each Blueprints Manual.
Redline drawings as needed and include a TB reference note.
Reference TB implementation on site Action Item Box-chart and/or
site tool history management log.

Number: 045
Date Issued: 07/13/04
Expiration Date: 07/13/05

Subject/Key Words:	Product Detect Sensor, Robot			
Classification:	<input checked="" type="checkbox"/> Informational	<input type="checkbox"/> Mandatory	<input type="checkbox"/> Safety Alert	<input type="checkbox"/> PM Impact
	<input type="checkbox"/> Warranty Impact	<input checked="" type="checkbox"/> Purchase Parts	<input type="checkbox"/> No Charge For Parts expires ___/___/___. Reference this TB# when ordering NC parts.	
Applicable Akrion Procedures:	OP1745: Robot Product Detection and Indexing Arm Sensor Setup			
Parts/Reference Documents:	224128-001, 224917-001, 224918-001, 224919-001, OP1745			
Attachments:	None			

Issue: As part of Akrion’s continuous improvement program (CIP), Akrion is introducing a new robot product detection sensor that provides better performance and increased reliability.

Symptoms: An unstable output from the robot product detector sensor can cause relay chatter or false missed pick-ups/drop-offs.

Test/Validate: Replace robot detect sensors as needed.

Solution: **Passive Gripper:**
Use retrofit kit **224128-001** to replace sensor # 202908-001/202909-001
Use retrofit kit **224918-001** to replace sensor # SNS1B0083

Active Gripper:
Use retrofit kit **224917-001** to replace sensor # 202908-001/202909-001
Use retrofit kit **224919-001** to replace sensor # SNS1B0083

Kits include sensor, screws and drawings.
The drawings include basic setup instructions for the sensor.
Reference OP1745 for detailed setup instructions for the sensor.

NOTE: Warranty replacements will only be honored for failed components.

If you have technical questions or require more information, please contact Akrion Technical Support Department via e-mail at techsupport@akrion.com. Authorized service personnel can obtain copies of the latest Akrion procedures and controlled documents from the Akrion Document Control department at doccontrol@akrion.com. Customers must direct all inquires to their local Akrion field service representative. (Form QA1656F1AC)