

Code	Description	Take this action
00 – 63	Normal operation.	Do nothing. (The display shows the scanner's node address.)
70	Scanner failed Duplicate Node Address check. The node address is already in use.	Change the scanner channel address, or change the conflicting device's address.
71	Illegal data in scan list.	Reconfigure scan list and remove any illegal data.
72	Device stopped communicating. (Changes to 78 if device does not recover when scanner retries.)	Inspect the device and verify connections.
73	Device does not match electronic key (vendor, product code, product type, revision) in scanlist.	Verify that the correct device is at this node number. Make sure that the device matches the electronic key as configured in scanlist.
74	Data overrun on port detected.	Check configuration for invalid data. Check network traffic.
75	No network traffic at all has been detected. (Normal if no scanlist.)	Create and download scanlist.
76	No network traffic for scanner detected. (Normal if no scanlist and scanner hears other traffic.)	Create and download scanlist.
77	Device's data sizes do not match scan list.	Reconfigure device or scanlist for the correct transmit and receive data sizes.
78	Device is in scan list but does not exist, or has failed to respond to scanner's retry after code 72.	Add the device to the network, or delete or inhibit its scan list entry. See also code 72.
79	Scanner failed to transmit a message, usually duplicate node check (at power-up).	Make sure that the scanner is connected to a valid network with at least one other node. Check for disconnected cables. Verify baud rate.
80	User has put scanner in IDLE mode.	Set RUN bit in scanner command register. Put PLC in RUN mode.
81	User has put scanner in FAULT mode.	Check PLC program and scanner command register.
82	Error in sequence of fragmented I/O messages from device.	Check device configuration.
83	Device is returning error response when scanner attempts to initialize communications.	Check scanlist entry - it may specify a connection (strobe, poll, etc) not supported by device. Device may be in another scanner's scanlist. Check device configuration. Reboot device.
84	Initializing communication with devices in scanlist.	None. This code clears when initialization is complete.
85	Data size larger than 255 bytes. Device's input data size changed after initialization.	Configure device for smaller data size. Configure device for fixed size. Replace faulty device.
86	Device is producing zero length data (IDLE state) while channel is in RUN mode.	Check device configuration and status. This is normal if device is another scanner in slave mode, and is IDLE (code 80).
87	Shared inputs: Device not allocated by primary scanner.	Check primary scanner connection and configuration.
88	Shared inputs: Primary scanner has not allocated connection required by this scanner. Display test at power-up or reset.	Check that sharing scanner's connections are the same as or a subset of primary scanner's. No action.
89	ADR error. The Device does not support Auto-Device Recovery or is not configured properly.	Check configuration or disable ADR for this device.
90	User has disabled communication port.	Check PLC program and scanner command register.
91	Bus-off condition detected on DeviceNet port. Scanner is detecting communication errors.	Check DeviceNet connections and physical media integrity. Check system for failed devices or other possible sources of network interference. Check for conflicting baud rates.
92	No network power detected on DeviceNet port.	Provide network power. Make sure that drop cable is providing network power to scanner DeviceNet port.
95	FLASH update in progress.	None. Do not disconnect scanner while FLASH update is in progress.
97	User has halted scanner.	Check ladder program and scanner command register.
98	Unrecoverable firmware failure.	Service or replace your module.
99	Unrecoverable hardware failure.	Service or replace your module.
E2	RAM Test Failure.	Return/Replace module.
E4	Lost Power During FLASH Upgrade.	Return/Replace module.
E5	No Boot or Main Code.	Return/Replace module.
E9	User has flushed 1747-SDN scanner.	Check command register and cycle power on SDN to recover.