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# Owner's Manual

## UPS Communication Cable Kit For IBM® System i™ Servers

Also Supports IBM AS/400® and iSeries™ Servers



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**WARNING:** Follow the instructions in this manual to assist the proper installation, configuration and operation of this product. This manual is a supplementary guideline, not a replacement for your server documentation. Refer to your server documentation for additional information.

# TRIPP·LITE

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## Package Contents

- 2 UPS Communication Cables (Part # 73-1070 and Part # 73-1071)
- 1 Owner's Manual

## Features

In conjunction with Tripp Lite SmartOnline™ UPS Systems, the *UPS Communication Cable Kit For IBM System i Servers* protects IBM System i, AS/400 and iSeries Midrange Servers from potential system corruption due to loss of power without prior operating system shutdown. Using a UPS system without a communication cable protects against power failures that do not exceed the battery capacity of the UPS system, but the potential for system corruption still exists as the server drains the UPS system's battery during extended blackouts. When connected to a Tripp Lite UPS System with the appropriate communication cable from this kit, the server can monitor the status of the UPS and initiate an automatic, graceful and orderly unattended system shutdown when necessary.

## System Requirements

One of the Following:

- System i, AS/400 or iSeries Server with 9-pin J14 Port
- System i, AS/400 or iSeries Server with T1 or T2 Port\*

*\*Requires the use of IBM adapter cable (FC1827; IBM Part # 97P4299). Also requires the complete shutdown of the server and removal of all power cords for a period of 5 minutes immediately prior to installation.*

## UPS System Compatibility

SmartOnline UPS Systems	Compatible Cable	Communication Port Connection
1,000 VA - 3,000 VA	Part # 73-1070	RS-232 Serial Port
5,000 VA - 10,000 VA	Part # 73-1071	Dry Contact Port
20,000 VA - 80,000 VA	Part # 73-1071	Dry Contact Port

## Installation

First, install a Tripp Lite SmartOnline UPS System of appropriate capacity to support the server. Consult the UPS System Owner's Manual for installation instructions.

After the UPS System has been installed successfully, use the *UPS Communication Cable Kit For IBM System i Servers* to connect the server and the UPS System, noting the following instructions:

- Choose the appropriate communication cable for your SmartOnline UPS System: use Part # 73-1070 for 1,000 VA - 3,000 VA; use Part # 73-1071 for 5,000+ VA.
- If you are connecting the cable to a server equipped with a 9-pin J14 port, such as an AS/400 Model 170 or iSeries Model 270, there's no need to power down the server before installation.
- If you are connecting the cable to a server equipped with a T1 or T2 port, such as an IBM System i5™ Model 520, you must shut down the server and completely remove all power cords for 5 minutes immediately prior to installation. After 5 minutes have elapsed, attach the appropriate cable and restart the server. This allows the server to configure the T1 or T2 port as a UPS monitoring port. Installation on the T1 or T2 port also requires the use of an IBM adapter cable (FC1827; IBM Part # 97P4299).

## Configuration

The user must set three system values that govern the actions of the operating system during a power failure indication: QUPSMMSGQ, QUPSDLYTIM and QPWRRSTIPL.

- QUPSMMSGQ specifies the message queue that receives messages upon power failure.
- QUPSDLYTIM specifies the time in seconds between power failure and shutdown initiation.
- QPWRRSTIPL selects manual or automatic restart of the Initial Program Load (IPL) when utility power returns.

## Quick Test

1. Use the CL command DSPMSG MSGQ(QSYSOPR) to monitor the system for messages regarding UPS status. (QSYSOPR is the default message queue. If the system value QUPSMMSGQ has been changed, replace QSYSOPR in this command with the appropriate value.)
2. Disconnect the UPS communication cable from the server.
3. A message should appear indicating that the UPS is no longer connected to the server.
4. Reattach the UPS communication cable.
5. A message should appear indicating that the UPS is attached to the server.

Please note that the message queue will indicate only UPS detection, UPS disconnection and power loss. If the server detects a low battery condition, it will initiate an immediate shutdown.

## Warranty Registration

Visit [www.tripplite.com/warranty](http://www.tripplite.com/warranty) today to register the warranty for your new Tripp Lite product. You'll automatically be entered into a drawing for a chance to win a FREE Tripp Lite product!\*

*\* No purchase necessary. Void where prohibited. Some restrictions apply. See website for details.*

## Warranty Information

### Lifetime Warranty

TRIPP LITE warrants its products to be free from defects in materials and workmanship for life. TRIPP LITE's obligation under this warranty is limited to repairing or replacing (at its sole option) any such defective products. To obtain service under this warranty, you must obtain a Returned Material Authorization (RMA) number from TRIPP LITE or an authorized TRIPP LITE service center. Products must be returned to TRIPP LITE or an authorized TRIPP LITE service center with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of date and place of purchase. This warranty does not apply to equipment, which has been damaged by accident, negligence or misapplication or has been altered or modified in any way.

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