

# **Read Me First**

**SW01-510**



**System Summary**

***Read Me First***

**SW01-510**

**10/96**

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Honeywell  
Industrial Automation and Control  
Automation College  
2820 West Kelton Lane  
Phoenix, AZ 85023-3028  
(602) 313-5669

## About This Publication

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This edition of *Read Me First* supports **TotalPlant** Solution (TPS) System network Release 520. TPS is the evolution of TDC 3000X.

This publication is intended to orient the user of this bookset regarding its content, and to recognize the bookset's relationship to other documentation required as part of a complete Honeywell TPS System.



# Table of Contents

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<b>SECTION 1 – CONTENTS OF TPS BOOKSET .....</b>	<b>1</b>
1.1 What the TPS Bookset Covers.....	1
1.2 Revisions .....	4
1.3 Additional Documents and Feedback.....	5

# Figures and Tables

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Figure 1	Example TPS System Architecture.....	1
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# Acronyms

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A-MC.....	Advanced Multifunction Controller
AM.....	Application Module
APM.....	Advanced Process Manager
ARM.....	Archive Replay Module
AXM.....	Application ModuleX
BOS.....	Basic Operator Station
CB.....	Basic Controller
CG.....	Computer Gateway
CLM.....	Communication Link Module
CPC.....	Critical Process Controller
DHP.....	Data Hiway Port
EC.....	Enhanced Controller
EOS.....	Enhanced Operator Station
FSC SM.....	FSC Safety Manager
GPCI.....	General Purpose Computer Interface
GUS.....	Global User Station
HG.....	Hiway Gateway
HM.....	History Module
HPM.....	High Performance Process Manager
LCN.....	Local Control Network
LM.....	Logic Manager
MC.....	Multifunction Controller
NG.....	Network Gateway
NIM.....	Network Interface Module
PCNM.....	Personal Computer Network Module
PCSI.....	Personal Computer Serial Interface
PIU.....	Process Interface Unit
PLCG.....	Programmable Logic Controller Gateway
PLC.....	Programmable Logic Controller
PLNM.....	Plant Network Module
PM.....	Process Manager
SAM.....	Scanner Application Module
TPH.....	<b>TotalPlant</b> History
TPS.....	<b>TotalPlant</b> Solutions
UCN.....	Universal Control Network
US.....	Universal Station
UWS.....	Universal Work Station
UXS.....	Universal StationX

## References

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<b>Publication Title</b>	<b>Publication Number</b>	<b>Binder Title</b>	<b>Binder Number</b>
<i>TPS Network Customer Release Guide</i>	SW11-590		
<i>Customer Resource Manual</i>	CR13-001		
<i>Engineer's Reference Manual</i>	SW09-505	Implementation/Startup & Reconfiguration 2	TPS 3030-2

# Section 1 – Contents of TPS Bookset

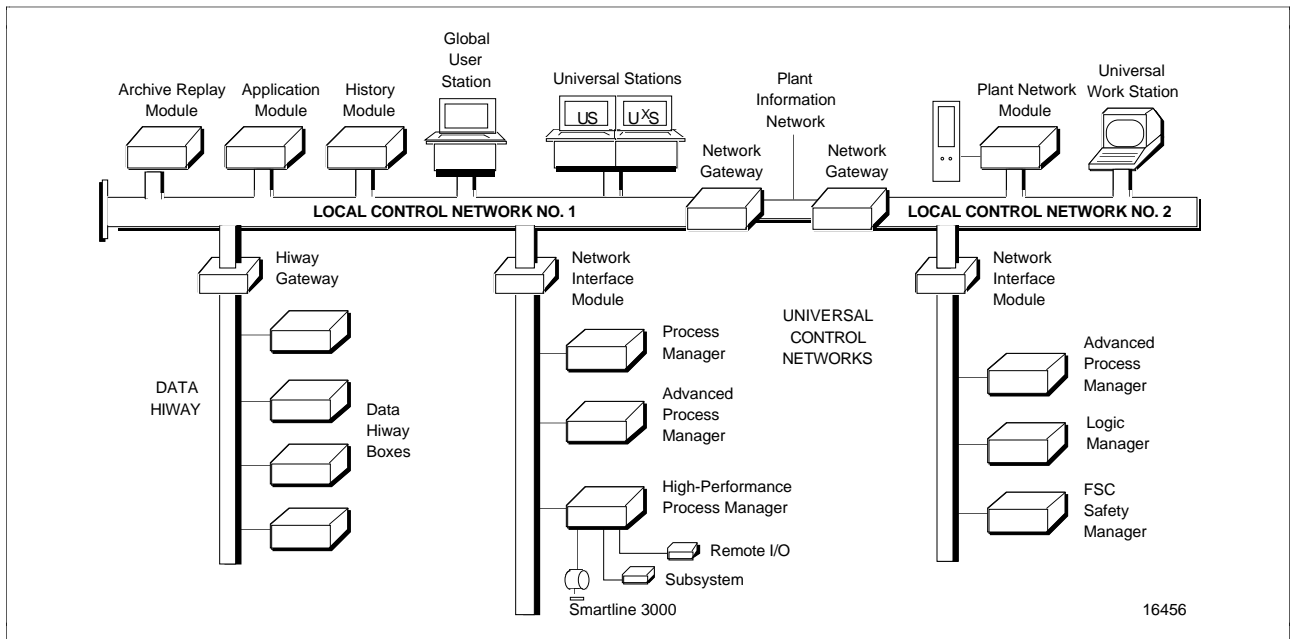
## 1.1 What the TPS Bookset Covers

### Overall content

The TPS bookset provides summary information and implementation details for the TPS. In addition, detailed information is included about each of the modules residing on the Local Control Network (LCN), and each of the process-connected devices associated with the Universal Control Network (UCN). These are shown in Figure 1.

For detailed documentation about the Data Hiway and each of its devices, you will need to refer to separately bound publications. Likewise, if your system includes a host computer, paper scanner, PLCs, SCAN 3000, CM50, or any devices attached to a Plant Information Network, the detailed documentation will be found in separate binders.

Figure 1 Example TPS System Architecture



*Continued on next page*

## 1.1 What the TPS Bookset Covers, Continued

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### Local Control Network devices

Below is a list of devices that can be attached to a Local Control Network (LCN). These devices are described in various binders within the LCN bookset.

- Application Module (AM)
- Application Module<sup>X</sup> (AXM)
- Archive Replay Module (ARM)
- Communication Link Module (CLM)
- Computer Gateway (CG)
- Global User Station (GUS)
- History Module (HM)
- Hiway Gateway (HG)
- LCN Extenders (Fiber Optics)
- Network Gateway (NG)
- Network Interface Module (NIM)
- Personal Computer Network Module (PCNM)(Not shown)
- Plant Network Module (PLNM)
- Programmable Logic Controller Gateway (PLCG)
- Scanner Application Module (SAM)
- **TotalPlant** History (TPH)
- Universal Station (US)
- Universal Station<sup>X</sup> (UXS)
- Universal Work Station (UWS)

### Universal Control Network devices

The following is a list of Universal Control Network (UCN) devices that can be attached to the TPS LCN through a NIM.

- Advanced Process Manager (APM)
- FSC Safety Manager (FSC SM)
- High-Performance Process Manager (HPM)
- Logic Manager (LM)
- Process Manager (PM)

*Continued on next page*

## 1.1 What the TPS Bookset Covers, Continued

### Data Hiway devices

The following is a list of Data Hiway devices that can be attached to the TPS LCN through a Hiway Gateway. You will find these devices described in a separate set of binders labeled *BASIC*.

- Advanced Multifunction Controller (A-MC)
- Basic Controller (CB)
- Basic Operator Station (BOS)
- Critical Process Controller (CPC)
- Data Hiway Port (DHP)
- Enhanced Operator Station (EOS)
- Extended Controller (EC)
- General Purpose Computer Interface (GPCI)
- Honeywell 620 Logic Controller (620LC)
- Multifunction Controller (MC)
- Personal Computer Serial Interface (PCSI)
- Process Interface Unit (PIU)

### Publications functionally organized

The publications that make up the TPS bookset are functionally organized into binders for the convenience of a variety of users. Generally, we have grouped information into

- Implementation topics (dealing with software and system configuration),
- Operations-oriented topics, and
- Hardware maintenance topics, including specifications and technical information.

Much of the time you will be able to find the needed information in related documents located in a single binder.

Note that all available binders may not be required for your system. For example, if your system does not include an Application Module<sup>X</sup>, a Computing Module, or a Computer Gateway, the applicable binders may not be supplied.

## 1.2 Revisions

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### **New system releases**

To make the latest advances in technology available to our customers and to provide increasing functionality and user convenience, Honeywell periodically offers TPS system hardware and software upgrades in the form of new system releases. When this occurs, new and modified documentation accompanies the releases. The release number(s) covered by a publication is located at the front of the publication in a section usually entitled *About This Publication*.

If you are migrating an existing system to a new software release, you should receive a document entitled *TPS Network Customer Release Guide* with the shipment. This guide includes the detailed steps and cautions to be observed when installing the new release. Section 27 of the *Engineer's Reference Manual (Implementation/Startup and Reconfiguration - 2 binder)* summarizes the software upgrade process, and the use of the *TPS Network Customer Release Guide* to obtain information and procedures supporting such upgrades.

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### **Publication revisions**

A publication may be revised at any time. When this occurs, the new revision date is recorded on the back of the title page in the section entitled *Copyright, Notices, and Trademarks*, and the month and year of the revision is shown in the page footers and on the Reader Comments form in the back of each document.

Whenever revised publications are distributed, we strongly recommend that you take the time to replace the updated publications with the new ones. This will help ensure that you are referring to the latest information.

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## 1.3 Additional Documents and Feedback

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### Customer Resource manual

You may wish to obtain a copy of Honeywell's *Customer Resource Manual* (CR13-001). In order to get this manual, it has to be purchased separately from the standard booksets. It is a potentially valuable resource for significant technical information, tips, and techniques that may not be covered elsewhere.

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### Publication improvements

Although many man-years of planning and effort have been invested in the preparation of the publications contained in this bookset, we are continually looking for opportunities to improve the documentation. We solicit your assistance in this effort. Be assured that your suggestions are appreciated and will be given careful consideration.

For your convenience, a Reader Comments sheet, designed to be faxed or mailed to us is included at the back of each publication. This sheet also includes a toll-free telephone number for use within the continental U.S.A.

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# Index

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## **A,B**

Bookset organization 3

## **C**

Customer Resource Manual 5

## **D,E,F,G**

Data Hiway devices 3

## **H,I,J,K**

Handling documentation revisions 4

## **L,M**

LCN devices 2

## **N**

New system releases 4

## **O,P,Q**

Overall content 1

## **R,S**

Reader Comments sheet, using 5  
Revisions 4

## **T**

Technical tips, locating 5

## **U,V,W,X,Y,Z**

UCN devices 2

# Index

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## READER COMMENTS

Honeywell IAC's Automation College welcomes your comments and suggestions to improve future editions of this and other documents.

You can communicate your thoughts to us by fax or mail using this form, or by placing a toll-free telephone call. We would like to acknowledge your comments; please include your complete name, address, and telephone number.

**BY FAX:** 1-602-313-4842

**BY MAIL:** Honeywell Inc.  
Industrial Automation and Control  
Automation College  
2820 W. Kelton Lane  
Phoenix, AZ 85023-3028

**BY TELEPHONE:** In the USA, use our toll-free number 1-800-822-7673 (available in the 48 contiguous states except Arizona; in Arizona dial 1-602-313-5558).

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**COMMENTS:** \_\_\_\_\_

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**RECOMMENDATIONS:** \_\_\_\_\_

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**Title:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **ZIP:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_ **FAX:** \_\_\_\_\_





**Honeywell**

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**Industrial Automation and Control**  
Honeywell Inc.  
16404 North Black Canyon Highway  
Phoenix, Arizona 85023-3033

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