

PC-30 AND MODCELL SYSTEMS SOFTWARE

Software Revision Levels

PACKAGE	REV.	DATE	ADDED FEATURES	INSTRUMENTS SUPPORTED	COMMENTS
Instrument Configurator (1706S) <i>Note: 1706S software does NOT support Batch/Advanced control Identity for MODCELL Multiloop Processors and MOD 30ML Controller.</i>	1.0	May 1988	Original release Stand-alone package	1700R Controller v.4,5 1700J Recorder v.4,5,6,7 1700N Math Unit v.4 1710R SLU v.5	
	2.0	Sept 1988	Full support for SLU functions Piecewise Linearization Totalizer	As above, plus 1710R SLU v.6	
	2.1	Dec 1988	Compatible with math coprocessor	As above	
	2.2	Sept 1989	Update recorder download software Update SLU alarm block size and add error checking for event equations on event, drum, channel selector	As above	
	2.3	May 1990	Recorder engineering units V.5 Math Unit SLU - Full AI block configuration (1-70) Download lower version databases to higher version SLU Proper entry of ICN # in supervisory message blocks (SLU) Invalid source pointer checks in SLU loop block Enhanced color for various CRT screens	As above, plus 1700N Math Unit v.5	
	2.4	June 1991	COMM ports 3 & 4 support 19.2K baud support	Same as above	
	3.0	Jan 1992	MODCELL 2000 support Help menus Subdirectory support Can use PC-30 Workstation protection key	Same as above MODCELL Logic Identity v.1.0	Dual floppy support discontinued Hard disk required
	4	June 1992	MODCELL 2000 PID, RTD support Upload/download of LCP databases Fixed communication problems with 486 PCs.	MODCELL Logic ver. 1 and 2 MODCELL Regulatory ver. 1 LCP firmware ver. 4	LCP must be Model C
	5	March 1993	MODCELL Supervisory, Notification, & enhanced Expression blocks; MODBUS communications	MODCELL Logic ver. 3 & below MODCELL Regulatory ver. 1&2 All MOD 30 instruments, LCP	
	5.1	April 1993	Works with App Bldr or PC-30 WorkStation copy prot	Same as above	
	5.2	June 1993	Resolve minor bugs (refer to Rochester for more info)	Same as above	Most users unaffected
	5.3	Feb 1994	Resolve minor bugs (refer to Rochester for more info)	Same as above	5.2 would not upload from LCP
	5.4	Oct 1994	Resolve minor bugs (refer to Rochester for more info) Download lower version MODCELL databases to higher version identity modules without new feature support	Up to Logic v.3, Regulatory v.	Will not provide new features for Logic 4.0, Regulatory 3.0, or any higher version. Does not support Batch/Adv.control identity module. and MOD 30ML Controller
	5.4A	March 1995	LCP Upload/download problems fixed.		Applies to specific database sizes
Application Builder 2006S	1.00	May 1993	Initial release	Logic 3.0, Regulatory 2.0 and below	REQUIRES ICN DRIVER V. 6 or higher No MOD 30 support
	1.01	Aug 1993	Maintenance release	As above	All users updated automatically, no-charge
	1.02	Nov 1993	Maintenance release	As above	Correct password protect problem; some fields in PID block did not allow negative values

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	1.03	Nov 1993	Maintenance release	As above	PC Comm Port setup menu did not appear in 1.02
	1.04	Jan 1994	Maintenance release	As above	Remove debug statement
	1.05	Feb 1994	Maintenance release	As above	Databases >32K did not compile properly
	2.0	Aug 1994	Support Sequence block, 1706S import, Modbus down LCP database upload/download	Logic v. 4.0, Regulatory v.3.0 and Batch v. 1.0 and below	Required to support Batch identity module 1706S no longer included
	2.1	Dec 1994	Maintenance release	Logic v. 4.0, Regulatory v.3.0 and Batch v. 1.0 and below	Correct import of Sequence blocks from 1706S Fix inter-compound connection on import Retain occurrence no's on compound load
	3.0	Sept 1995	Support CS-31 Remote I/O, faster compiler, Advanced Control identity module	Logic 5.0, Advanced Control 2 SOE 1.0 and below	Reads Sequence of Events identity queue Includes Extended Modbus support
	4.0	Feb 1996	Support 1800R MOD 30ML Multiloop controller	As above and 1800R MOD 30ML	
	5.02	May 1997			
	5.02	July 1998	Updated Install Program	No change to main program	Corrects errors installing on fast PCs
Workstation/Run Time (1711S, 1712S, 1720S)	1.0 (2.46)	May 1989	Original release PC-30 series software		
<i>Note: Genesis equivalents are given in brackets.</i>	2.0 (3.24)	April 1990	Maximum number devices increased to 120 EMS Support Enhanced graphics, dynamic data entry, screen tgt State library, touchscreen, keymacro support Autocad Import/Export 35 alarm pages Enhanced trend windows & history windows Networking support (ARCNET only)		Memory manager software required for EMS support
	3.0 (3.33)	Nov 1990	XMS support (larger databases) Networking support (ARCNET and NETBIOS) Virtual mouse in runtime, password protected strategies Increase number of 500R/Fulscope Device Blocks		Memory manager software required for EMS/XMS support REQUIRED FOR NETBIOS NETWORK SUPPORT
	3.1 (3.38)	April 1991	Correct history and history window anomalies		Anomalies occured under specific circumstances Refer to Rochester
	4.0 (3.53)	Sept 1992	Database caching, blind node support, 20 serial ports NET-Commander support		
	4.1 (3.56)	Dec 1992			
	5.0 (3.64)	May 1993	Alarm descriptions for MOD 30/MODCELL Shift historian removed; full path history logging Shared file support		CHECK OPTION COMPATIBILITY
	5.1 (3.72)	May 1994	XCOM support for ICN; minor enhancements		
	5.2 (3.73)		Limited release to sales personnel only		Runs in demo mode without key.
Workstation/Run Time (1711S, 1712S, 1720S) (continued)	5.3 (3.74)	Oct 1994	Fixes Alarm Summary problems, PAIN and PAIO scaling problems, Screen Saver operation w/ Runtime Mouse		
<i>Note: Genesis equivalents are given in brackets.</i>	5.4 (3.76)	Mar 1996	Enhanced IF update feature		Resolves pointer problems with intellegent device model drivers, such as ICN

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ICN Communications Driver (1716S) <i>Note: Genesis equivalents are given in brackets</i>	1.0	May 1989	Original release	1701R Controller XL v.1,2,3 1700J Recorder v.6,7	Older version instruments supported through background communications only
	2.0 (3.23)	April 1990	SLU support Faster communications	As above, plus 1710R SLU v.6	
	3.0	Jan 1991	Foreground communication with "older" instruments Re-initialization of off-scan instruments	1700R Controller v.4 & 5 1701R Controller XL v.1,2,3 1700J Recorder v.4,5,6,7 1700N Math Unit v.4,5 1710R SLU v.5,6	REQUIRED for Networking
	3.1 (3.27)	April 1991			
	4.0 (3.50)	Mar 1991	Name changed to ICN Communications Support for MODCELL 2000 Logic identity	MOD 30 as above MODCELL Logic ver. 1	
	5.0	July 1992	Support for MODCELL PID, RTD	MOD 30 as above MODCELL Logic ver. 1 and 2 MODCELL Regulatory ver. 1	
	5.1 (3.53)	July 1992	Fixes an alarm problem		
	6.0 (3.58)	May 1993	MODCELL Supervisory, Notification, & enhanced Expression blocks	MOD 30 as above MODCELL Logic ver. 3 & below MODCELL Regulatory ver. 1&2	REQUIRED FOR APPLICATION BUILDER SUPPORT
	6.1	April 1993	Minor bug fixes (run strategies from separate directory, "time" data type in SLU)	Same as above	
	6.2	June 1993	Fix open files	Same as above	
	7.0 (3.60)	Aug 1994	Support for MODCELL Multiloop Sequence Block	MOD 30 as above MODCELL Logic v.4 MODCELL Regulatory v.3 MODCELL Batch v.1	
ICN Communications Driver (1716S) (continued) <i>Note: Genesis equivalents are given in brackets</i>	8.0 (3.62)	Jan 1995	Support for MODCELL Sequence of Events Identity Support for CS-31 Remote I/O	Same as above MODCELL S.O.E and Advanced Control identity	
	8.1 (3.63)	August 1995	Minor bug fixes - Mini link powerfail bit.	Same as above	
	9.0 (3.64)	Mar 1996	MOD 30ML Support	Same as above plus MOD 30ML	Supports SYS block outs OFF
Micro-Scan 500 and Fulscope ER/C Driver (1717S) <i>Note: Genesis equivalents are given in brackets</i>	1.0	July 1989	Original release	500R v.2 and above 1900J v.3 and above 1900R v.1 and above	
	2.0	Aug 1990	EMS compatibility	As above	
	3.0 (3.50)	April 1994	Add totalizer functions for ER/C	1900J v.4 1900R v.3 and higher	Required to support totalizer and valve deadband functions
	3.1	April 1994	XCOM support	As above	Required for use with PC-30 XCOM option

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	(3.51)	April 1995	Supports up to 52 device blocks		
KTX Driver (1740S)	1.0	July 1992	Initial release	MX/PX/PXR instruments with communications	
4500 Analyzer Driver (1718S)	1.0	Feb 1992	Initial release	4535,4545 pH/redox 4510,4520 conductivity	
Micro-Scan 200 Driver (1741S)	1.0	Jan 1993	Initial release	200R Series controllers	Recommend use at 4800 baud
MODBUS Driver (1719S)	1.0	March 1993	Initial release	MODCELL Multiloop all versio	Requires RS-232/RS 485 module
	2.0	Aug 1993	Supports IEEE floating point/long integer	As above and MOD 30ML.	
	3.0	April 1995			
MP90 Driver 1742S	1.0	July 1993 Oct 1995	Initial release Discontinued ; Use MODBUS Driver.	ABB MasterPiece 90	Uses MODBUS protocol
EMP Driver 2010S for FIX DMACS	5.3	May 1996	Extend Modbus Protocol Driver Initial Release	MOD30 ML, MODCELL MLP Standard Modbus Devices	Supports MB1 Standard Modbus and Extended Modbus on Supporting Instruments