DO-MORE PLC INSTRUCTIONS

(H2-DM1/E, T1H-DM1/E, BX-DM1/E)

CATEGORY	INSTRUCTION	DESCRIPTION	2.9 17-Feb 2022	2.8 09-Dec 2020	2.7 25-Mar 2020	2.6 19-Jun 2019	2.5 27-Mar 2019	2.3 31-May 2018	2.2 19-Mar 2018	2.1 20-Sep 2017	2.0 22-Feb 2017	1.4 07-Jul 2015	1.3 03-Apr 2014	1.2 30-Oct 2013	1.1 20-Aug 2013	1.0 06-Sep 2012
Contact	--] [--	Normally Open	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	--]/[--	Normally Closed	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	--] _|‾ [--	Leading Edge One-Shot	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	--] ‾|_ [--	Trailing Edge One-Shot	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	--]≥[--	Greater-Than-or-Equal-To Relational	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	--]=[--	Equal-To Relational	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	--]≤[--	Less-Than-or-Equal-To Relational	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	--]<[--	Less-Than Relational	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	--]≠[--	Not-Equal-To Relational	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	--]>[--	Greater-Than Relational	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	--]Δ[--	Delta	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	--(_|‾)--	Leading Edge One-Shot on Power Flow	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	--(‾|_)--	Trailing Edge One-Shot on Power Flow	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	--|>o--	Invert Power Flow	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coil/Bit I/O	DEBOUNCE	Reduce Discrete Input Chatter	X	X	X	X	X	X	X	X						
	END	End Code Block	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	FLASHER	Cycle Output ON/OFF	X	X	X	X	X	X	X	X						
	INI	Immediate Discrete Input	X	X	X	X	X	X	X							
	ND	Trailing Edge One-Shot	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	NOP	Null Operation	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	OUT	Write Bit	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	OUTI	Out Immediate Bit	X	X	X	X	X	X	X	X	X					
	PD	Leading Edge One-Shot	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	PONOFF	Push On/Push Off	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	RST	Reset Bit	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	RSTI	Reset Immediate Bit	X	X	X	X	X	X	X	X	X					
	RSTR	Reset Range	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SET	Set Bit	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SETI	Set Immediate Bit	X	X	X	X	X	X	X	X	X					
	SETR	Set Range	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SR	Shift Register	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	TIMEDOUT	Timed Output	X	X	X	X	X	X	X	X						
Analog/Process	ALDEV	Deviation Alarm	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	ALHILO	High/Low Alarm	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	ALRATE	Rate of Change Alarm	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CLAMP	Limit Range	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	DEADBAND	Set Outside Deadband	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	FILTER	First Order Filter	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	INTEGRAT	Integrate Over Time	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	PID	Closed Loop Controller	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	PIDINIT	Set PID Tuning Constants	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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Analog/Process	RAMPSOAK	Rap Soak Profile	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	RANGECHECK	Value In/Out of Range	X	X	X											
	SCALE	Scale Value	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SLOPE	Calculate Slope	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	TIMEPROP	Time Proportional Control	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CTRIO	CTAXCFG	CTRIO2 Axis Configuration	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTAXDYNP	CTRIO2 Axis Run Dynamic Position Mode	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTAXDYNV	CTRIO2 Axis Run Dynamic Velocity Mode	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTAXJOG	CTRIO2 Axis Jog Mode	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTAXLIMT	CTRIO2 Axis Run Trapezoid w/Limits	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTAXTRAP	CTRIO2 Axis Run Trapezoid	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTDYNPOS	CTRIO Run Dynamic Position Mode	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTDYNVEL	CTRIO Run Dynamic Velocity Mode	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTPLSADD	CTRIO2 Add Entry to PLS	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTPLSEDT	CTRIO2 Edit PLS Entry	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTREGRD	CTRIO Read Register	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTREGWR	CTRIO Write Register	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTRUNPOS	CTRIO Run Position Mode	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTRUNVEL	CTRIO Run Velocity Mode	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTTBLADD	CTRIO Add Entry to Preset Table	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTTBLCLR	CTRIO Clear Table	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTTBLEDT	CTRIO Edit Preset Table Entry	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTTBLLD	CTRIO Load Table	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CTUPDLVL	CTRIO Update Level	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Date/Time/ Calendar	DT2EPOCH	Convert Date/Time to Epoch	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	DTCMP	Compare Date/Time	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	DTDIFF	Difference Between Two Date/Times	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	DTOFFSET	Add Offset to Date/Time	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	EPOCH2DT	Convert Epoch to Date/Time	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	NETTIME	SNTP Client	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SETTIME	Set PLC Date/Time	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ethernet	DMLOGGER	Broadcast String to DmLogger.exe	X	X												
	DNSLOOKUP	Name to IP Address	X	X	X	X	X	X	X	X	X	X	X	X	X	
	EMAIL	Send Email	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	PING	Ping Ethernet Device	X	X	X	X	X	X	X	X	X	X	X	X	X	
	SETUPIP	Setup TCP/IP Parameters	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SETUPNOD	Setupt Ethernet Node Parameters	X	X	X	X	X	X	X	X	X	X	X	X	X	X
File System	BACKUP	Create PLC Image File	X	X	X	X	X	X	X	X						
	FILECLOSE	Close File	X	X	X	X	X	X	X	X	X					
	FILECOPY	Copy File	X	X	X	X	X	X	X	X	X					
	FILEDEL	Delete File	X	X	X	X	X	X	X	X	X					
	FILELOG	Log to File	X	X	X	X	X	X	X	X	X					
	FILENEWFLDR	Make New Folder	X	X	X	X	X	X	X	X	X					
	FILEOPEN	Open File	X	X	X	X	X	X	X	X	X					

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File System	FILEQUERY	Query File or Folder Information	X	X	X	X	X	X	X	X	X					
	FILEREAD	Read from File	X	X	X	X	X	X	X	X	X					
	FILESEEK	Seek to Position in File	X	X	X	X	X	X	X	X	X					
	FILESYSCMD	Perform File System Command	X	X	X	X	X	X	X	X	X					
	FILETRUNC	Truncate File	X	X	X	X	X	X	X	X	X					
	FILEWRITE	Write to File	X	X	X	X	X	X	X	X	X					
Hardware/Device	CLOSE	Close Device	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	DEVCLEAR	Clear Device	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	DEVREAD	Read Device Register	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	DEVWRITE	Write Device Register	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	HWCONFIG	Configure Hardware	X	X												
	HWINFO	Get Hardware Information	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	OPENDEV	Open Device	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	RD	Read from Intelligent Module	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SETUPSER	Setup Serial Port	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	WT	Write to Intelligent Module	X	X	X	X	X	X	X	X	X	X	X	X	X	X
High Speed/Axis	AXCAM	Axis Electronic Camming	X	X	X	X	X	X	X	X	X					
	AXCONFIG	Axis Configuration	X	X	X	X	X	X	X	X	X					
	AXFOLLOW	Axis Position Following with Offset	X	X	X	X	X	X	X	X	X					
	AXGEAR	Axis Electronic Gearing	X	X	X	X	X	X	X	X	X					
	AXHOME	Axis Perform Home Search	X	X	X	X	X	X	X	X	X					
	AXJOG	Axis Jog Mode	X	X	X	X	X	X	X	X	X					
	AXPOSSCRV	Axis Move to Position Using S-Curve	X	X	X	X	X	X	X	X	X					
	AXPOSTRAP	Axis Move to Position Using Trapezoid	X	X	X	X	X	X	X	X	X					
	AXRSTFAULT	Reset Axis Fault	X	X	X	X	X	X	X	X	X					
	AXSCRIPT	Run a Sequence of Axis Commands	X	X	X	X	X									
	AXSETPROP	Set Axis Properties	X	X	X	X	X	X	X	X	X					
	AXVEL	Axis Set Velocity Mode	X	X	X	X	X	X	X	X	X					
	HSCNT	High Speed Counting	X													
	HSEDGE	Precise Edge to Edge Timing	X													
	HSPULSEC	Catch Pulse Input	X													
	PWMOUT	Pulse Width Modulated Output	X	X	X	X	X									
	TDODECFG	Deconfigure Table Driven Output	X	X	X	X	X	X	X	X	X					
	TDOPLS	Load Programmable Limit Switch Table for Table Driven Output	X	X	X	X	X	X	X	X	X					
	TDOPRESET	Load Preset Table for Table Driven Output	X	X	X	X	X	X	X	X	X					
Math	DEC	Decrement	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	INC	Increment	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	LERP	Linear Interpolation	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MATH	Calculate Expression	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	RANDSEED	Random Number Seed	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	TESTNUM	Classify Numeric Value Types	X	X												
Misc/Data Manipulation	BCDTO	BCD To Integer/Real	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	COPY	Copy Data	X	X	X	X	X	X	X	X						

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Misc/Data Manipulation	DATAINFO	Query Information about Data Memory	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	DECO	Decode to Set Bit	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	ENCO	Encode Bit Position	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	FIFOLOAD	Load First-In-First-Out	X	X	X	X										
	FIFORESET	Reset FIFO Queue	X	X	X	X										
	FIFOUNLOAD	Unload First-In-First-Out	X	X	X	X										
	GRAY	Gray Code to Integer	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	INIT	Initialize Data	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	ISCLEAR	Is Structure Cleared	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	LIFOLOAD	Load Last-In-First-Out	X	X	X	X										
	LIFORESET	Reset LIFO Queue	X	X	X	X										
	LIFOUNLOAD	Unload Last-In-First-Out	X	X	X	X										
	MAPIO	Map Inputs/Outputs	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MEMCLEAR	Clear Memory	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MEMCOPY	Copy Memory Range	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MOVE	Move Value	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MOVEBIT	Move Single Bit	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MOVER	MOVE Range of Values	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	PUBLISH	Translate from Do-more	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	REFWRITE	Write Value Indirectly	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	ROTL	Rotate Left	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	ROTR	Rotate Right	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SEG	Hex/BCD to 7 Segment Display	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SETNUMR	Set Numeric Range	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SUBSCRIB	Translate to Do-more	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SUMBITS	Sum Bits	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SWAPB	Swap Bytes	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	TOBCD	Integer/Real To BCD	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Program Control	CALL	Call Subroutine	X	X	X	X	X	X	X	X	X					
	ENDC	Conditional End of Code-Block	X	X	X	X	X	X	X	X	X					
	ENTASK	Enable Task	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	EXIT	Exit This Program	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	GOTO	Go To Label	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	HALT	Halt Program or Task	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	INTCONFIG	Configure Interrupt	X	X	X	X	X	X	X	X	X					
	INTDECONFIG	Deconfigure Interrupt	X	X	X	X	X	X	X	X	X					
	INTRESUME	Resume Interrupts	X	X	X	X	X	X	X	X	X					
	INTSUSPEND	Suspend Interrupts	X	X	X	X	X	X	X	X	X					
	JMP	Jump To Stage	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	JMPI	Indexed Jump	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	LABEL	Program Label	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	REBOOT	Reboot PLC	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	RESTART	Restart Program or Task	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	RET	Return Back to CALL	X	X	X	X	X	X	X	X	X					

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Program Control	RETC	Conditional Return Back to CALL	X	X	X	X	X	X	X	X	X					
	RUN	Run Program	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SG	Stage	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SGCONVRG	Converge Multiple Stages to SG	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SGDIVRG	Jump to Multiple Stages	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SGRST	Disable Stage	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SGRSTI	Indexed Disable Stage	X	X												
	SGRSTR	Disable Range of Stages	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SGSET	Enable Stage	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SGSETI	Indexed Enable Stage	X	X												
	STOP	Switch to Program Mode	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SUSPEND	Suspend Program or Task	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	WATCHDOG	Force Watchdog Error	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	YIELD	Yield Program or Task	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Program-Looping	BREAK	Exit Loop	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CONTINUE	Skip to Loop End	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	FOR	Index Loop	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	NEXT	Index by Step	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	REPEAT	Loop Until Condition is Non-Zero	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	UNTIL	Repeat Until Condition is Non-Zero	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	WEND	While End	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	WHILE	Loop While Condition is Non-Zero	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Protocol-Custom/ASCII	CHECKSUM	CheckSum Algorithm	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	OPENTCP	Open TCP Connection	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	PACKETIN	Input Data from Packet Device	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	PACKETOUT	Output Data to Packet Device	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STREAMIN	Stream in Data from Device	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STREAMOUT	Stream Out Data to Device	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	TCPLISTEN	Start Listening on TCP Port	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Protocol-Standard	DLRX	DirectLOGIC Network Read	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	DLWX	DirectLOGIC Network Write	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	EIPMSG	Send EtherNet/IP Message	X	X	X	X	X	X	X	X	X	X				
	FTPGET	Retrieve File FROM Remote	X	X												
	FTPPUT	Store File TO Remote	X	X												
	GSREGRD	GS Edrive Register Read	X	X	X	X	X	X	X	X	X	X	X	X	X	
	GSREGWR	GS Edrive Register Write	X	X	X	X	X	X	X	X	X	X	X	X	X	
	HTTPCMD	HTTP Request / Response with Server	X	X	X	X	X									
	JSONBUILD	Build JSON Record	X	X	X	X	X									
	JSONPARSE	Parse JSON Text	X	X	X	X	X									
	MQTTPUB	IoT Publish MQTT Topics	X	X	X	X	X	X								
	MQTTSUB	IoT Subscribe MQTT Topics	X	X	X	X	X	X								
	MRX	Modbus Network Read	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MSREGRD	Modbus Scanner I/O Register Read	X													
	MSREGWR	Modbus Canner I/O Register Write	X													

CATEGORY	INSTRUCTION	DESCRIPTION	2.9 17-Feb 2022	2.8 09-Dec 2020	2.7 25-Mar 2020	2.6 19-Jun 2019	2.5 27-Mar 2019	2.3 31-May 2018	2.2 19-Mar 2018	2.1 20-Sep 2017	2.0 22-Feb 2017	1.4 07-Jul 2015	1.3 03-Apr 2014	1.2 30-Oct 2013	1.1 20-Aug 2013	1.0 06-Sep 2012
Protocol-Standard	MWX	Modbus Network Write	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	PEERLINK	Share Data w/PLCs	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	RX	Do-more Network Read	X	X	X	X	X	X	X	X	X	X				
	WX	Do-more Network Write	X	X	X	X	X	X	X	X	X	X				
String	STR2INT	Convert String to Integer	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STR2REAL	Convert String to Real	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STRCASE	Convert String to UPPER / lower Case	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STRCLEAR	Clear Strings	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STRCMP	String Compare	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STRCOPY	Copy String	X	X	X											
	STRCOPYR	Copy Range of String	X	X	X											
	STRDELETE	Delete Substring	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STRFIND	Find within String	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STRGETB	Get Bytes Out of a String	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STRINSERT	Insert Substring	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STRPRINT	Print to String	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STRPUTB	Put Bytes Into a String	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STRSUB	Get Sub-String	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STRTRIM	Trim Whitespace	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	STRTRUNC	Set String Length	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Timer/Counter/ Drum	CNT	Up Counter	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CNTDN	Down Counter	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	COMMON_TIMER	Start here if not sure	X	X	X	X	X	X	X	X						
	DRUM	Timed/Event/Timed-Event Drum	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	FREQCNT	Frequency Counter	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	FREQTMR	Frequency Timer	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	OFFDTMR	Off Delay Timer	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	ONDTMR	On Delay Timer	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	RSTCT	Reset Counter	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	RSTT	Reset Timer	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	TMR	Timer	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	TMRA	Accumulating Timer	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	TMRAG	Global Accumulating Timer	X	X	X	X	X	X	X	X	X	X	X			
	TMRADOWN	Accumulating Down Timer	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	UDC	Up/Down Counter	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	UDCG	Global Up/Down Counter	X	X	X	X	X	X	X	X	X	X	X			
		TOTAL NUMBER OF INSTRUCTIONS:	252	247	240	237	231	226	224	223	217	180	177	175	175	171

INSTRUCTION COLOR KEY

- BRX PLC only
- Ethernet port only
- BRX PLC w/Ethernet & Simulator only
- BRX PLC & Simulator only

SUPPORTED COLOR KEY

- X - Supported
- X - Supported, the version in which the instruction was introduced
- Not supported