



RC Passport
Security Management Software

RC GrafXSet
Graphical Images & Services Software

RC Toolkit
Communications Configuration Software

RC Studio
BACnet Advanced Workstation Software

RC WebView
BACnet Operator Workstation Software

RC Remote Access
BACnet Virtual Private Network Software

myControl

RC Archive
BACnet Data Archiving Software

RC Reporter
Building Performance Reporting Software

WINDOWS SERVER
WINDOWS SERVER 2012 R2 THROUGH 2019
SQL SERVER 2014 THROUGH 2019

WINDOWS PC
WINDOWS 8.1 (EXCEPT RT)
WINDOWS 10

BROWSER CLIENT
GOOGLE CHROME¹
MICROSOFT EDGE 83+²
SAFARI³

MACH-PRO2™

1 – EIA-232 1 – EIA-485 1 – SMART-Net (16 addresses)	PTP MS/TP	BACnet
84 universal inputs (max) 56 universal outputs (max)	12UI/4UO/4OS per MACH-ProPoint™ 12UI/8UO per MPP-I/O 24UI per MPP-I 16UO per MPP-O maximum of 3 modules, 84 ins, 56 outs	

MACH-PRO1™

1 – EIA-232 1 – EIA-485 1 – SMART-Net (8 addresses)	PTP MS/TP	BACnet
12 universal inputs 8 universal outputs		

MACH-PROZONE™

1 – EIA-485 1 – SMART-Net (8 addresses)	MS/TP	BACnet
4/8 universal inputs 4/8 outputs (UOs/SSRs)		

MACH-PROAIR™

1 – EIA-485 1 – SMART-Net (8 addresses)	MS/TP	BACnet
MPA-111: 1 universal input; 2 outputs (1UO/1TRIAC) MPA-12: 1 universal input; 2 outputs (TRIACs) MPA-33: 3 universal inputs; 3 outputs (UOs) MPA-34: 3 universal inputs; 4 outputs (1UO/3TRIACs) MPA-35: 3 universal inputs; 5 outputs (3UOs/2TRIACs) MPA-36: 3 universal inputs; 6 outputs (1UO/5TRIACs)		

*-A models include actuator:
(MPA-111-A-F, MPA-12-A-F, MPA-33-A, MPA-33-AF, MPA-34-A, MPA-34-A-F)
-F models include flow sensor:
(MPA-111-A-F, MPA-12-A-F, MPA-12-F, MPA-33-AF, MPA-34-A-F, MPA-35-F, MPA-36-F)*

MACH-PROLIGHT™

1 – EIA-485 1 – SMART-Net (4 addresses) 1 – EnOcean® Transceiver	MS/TP	BACnet
MPL-44U: 4 universal inputs; 4 universal outputs (UO/relay driver) ¹ MPL-48U: 4 universal inputs; 8 universal outputs (UO/relay driver) ¹ MPL-88U: 8 universal inputs; 8 universal outputs (UO/relay driver) ¹ MPL-416R: 4 universal inputs; 16 relay driver outputs ¹ MPL-816R: 8 universal inputs; 16 relay driver outputs ¹ MPL-88GE: 8 universal inputs; 8 dual-coil relay driver outputs ²		

¹24 VAC momentary pulse to latch WR-6161-style single-coil relays with feedback
²24 VAC momentary pulse to latch GE RR9-style dual-coil relays.

SMART-SPACE™ CONTROLLER

1 – EIA-485	MS/TP slave up to 200 per segment	BACnet
SSC: 2 inputs (UI); 2 outputs (jumper-selectable UO/Relay) SSCE: 3 inputs (UI); 4 outputs (2 relays/2 jumper-selectable) SSCP: 3 inputs (UIs); 4 outputs (3 relays/1 jumper-selectable)		

plus onboard temperature on all models.
available with real-time-clock, CO2, °C/°F display switch, humidity, & motion.

MACH-ProCOM™/MACH-ProWEBCOM™

1 – ISO8802-3 10/100BaseT 1 – EIA-232 2 – EIA-485 1 – SMART-Net (16 addresses)	IP (2) Ethernet PTP MS/TP (2) B/VPN	BACnet
192 universal inputs (max) 128 outputs (max)	IP EIA-485 Token Bus EIA-485 I/O-Net EIA-232 PC/Modem	RCP
SMTP (SSL/TLS) SNMP (Server) DHCP (Client) SNTP (Client)	HTTP (MPW) FTP (MPW) OpenADR (VEN)	Modbus

12UI/4UO/4OS per MACH-ProPoint™, 12UI/8UO per MPP-I/O, 24UI per MPP-I, 16UO per MPP-O
maximum of 8 modules, 192 ins, 128 outs
RCPs support requires version 7 firmware.

MACH-ProSys™/MACH-ProWEBSys™

1 – ISO8802-3 10/100BaseT 1 – EIA-232 2 – EIA-485 1 – SMART-Net (16 addresses)	IP (2) Ethernet PTP MS/TP B/VPN	BACnet
180 universal inputs (max) 120 outputs (max)	IP EIA-485 Token Bus EIA-485 I/O-Net EIA-232 PC/Modem	RCP
SMTP (SSL/TLS) SNMP (Server) DHCP (Client) SNTP (Client)	HTTP (MPW) FTP (MPW) OpenADR (VEN)	Modbus

12UI/4UO/4OS per MACH-ProPoint™, 12UI/8UO per MPP-I/O, 24UI per MPP-I, 16UO per MPP-O
maximum of 7 modules, 180 ins, 128 outs
RCPs support requires version 7 firmware.

MACH-ProVIEW™/MACH-ProVIEW™ LCD

1 – EIA-485* 1 – ISO 8802-3/IEEE 802.3af* 1 – IEEE 802.11b/g/n* 1 – SMART-Net (4 addresses) *model-specific	IP Ethernet MS/TP B/VPN	BACnet
10 inputs* (6UI) 6 outputs (4UO/SSR & 2SSR) *including onboard temperature; available with onboard, humidity, motion, and CO2.	TCP Master/Slave RTU Master/Slave router models only	Modbus
	SMTP (SSL/TLS) DHCP (Client)	SNTP (Client) OpenADR (VEN)

MACH-CHECKPOINT™

1 – IEEE802.3-af 100BASE-T	IP	BACnet
10 configurable inputs (9SBI; 1BI) 4 configurable binary outputs including dedicated inputs for light sensor, proximity sensor, battery level, PoE status; 4 Wiegand reader ports for 2 doors.		

BACnet Device Instance Range: 1 – 4,194,302
BACnet Network Number Range: 1 – 65,534
Maximum Networks: 512
Devices per network IP/MS/TP: 75/127
Maximum Devices: 64,308
Maximum I/O Points: 5,128,000

PROJECT:	DRAWING TITLE:																												
SYSTEM ARCHITECTURE	RELIABLE CONTROLS® MACH-SYSTEM™																												
 www.reliablecontrols.com	<table border="1"> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> <th>SCALE:</th> <th>REV:</th> </tr> <tr> <td>H</td> <td>Update 2016c</td> <td>20161025</td> <td>LT</td> <td rowspan="5">NTS</td> <td rowspan="5">L</td> </tr> <tr> <td>I</td> <td>Update 2017</td> <td>20171208</td> <td>LT</td> </tr> <tr> <td>J</td> <td>Update 2018</td> <td>20180902</td> <td>LT</td> </tr> <tr> <td>K</td> <td>Update 2019a</td> <td>20190529</td> <td>LT</td> </tr> <tr> <td>L</td> <td>Update 2020</td> <td>20200805</td> <td>LT</td> </tr> </table>	REV.	DESCRIPTION	DATE	BY	SCALE:	REV:	H	Update 2016c	20161025	LT	NTS	L	I	Update 2017	20171208	LT	J	Update 2018	20180902	LT	K	Update 2019a	20190529	LT	L	Update 2020	20200805	LT
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