

BACnet Protocol Implementation Conformance Statement

Products – Tested September 2003

Product	Model Number	Protocol Revision	Firmware Version
MACH-Air™ VAV Controller	MAH	135-2001d	6.35
MACH-Air™ VAV Controller with Triac Outputs	MAH-T	135-2001d	6.35
MACH-Air™ VAV Controller without Flow Sensor	MAH-WF	135-2001d	6.35
MACH-Air™ VAV Controller without Actuator	MAH-WA	135-2001d	6.35
MACH-Air™ VAV Controller, Triac Outputs without Actuator	MAH-TWA	135-2001d	6.35

Vendor Information

Reliable Controls Corporation 120 Hallowell Road Victoria, BC Canada V9A 7K2 www.reliablecontrols.com

Product Description

The MACH-Air™ is a peer-to-peer device accommodating an integral flow sensor and damper actuator for VAV control applications. The fully programmable MACH-Air™ also provides three universal inputs and three universal (optionally triac) outputs. In addition the MACH-Air™ supports up to four Reliable Controls® Smart-Sensors™.

BACnet Standardized Device Profile

Product	Device Profile	Tested
MACH-Air™ (all models)	BACnet® Application Specific Controller (B-ASC)	✓

Supported BIBBs

Product	Supported BIBBs	BIBB Name	Tested
MACH-Air™ (all models)	DS-RP-B	Data Sharing-ReadProperty-B	✓
	DS-RPM-B	Data Sharing-ReadPropertyMultiple-B	✓
	DS-WP-B	Data Sharing-WriteProperty-B	✓
	DS-WPM-B	Data Sharing-WritePropertyMultiple-B	✓
	DM-DDB-B	Device Management-Dynamic Device Binding-B	✓
	DM-DOB-B	Device Management-Dynamic Object Binding-B	✓
	DM-DCC-B	Device Management-Device Communication Control-B	✓
	DM-PT-A	Device Management-Private Transfer-A	
	DM-PT-B	Device Management-Private Transfer-B	
	DM-TS-B	Device Management-Time Synchronization-B	✓
	DM-RD-B	Device Management-Reinitialize Device-B	✓

Standard Object Types Supported

Product	Object Type	Creatable	Deletable	Tested
MACH-Air™ (all models)	Analog Input	No	No	✓
	Analog Output	No	No	✓
	Analog Value	No	No	✓
	Binary Input	No	No	✓
	Binary Output	No	No	✓
	Binary Value	No	No	✓
	Multi-State Output	No	No	✓
	Device	No	No	✓

Data Link Layer Options

Product	Data Link	Options	Tested
MACH-Air™ (all models)	MS/TP Master	9600, 19200, 38400, 76800	✓

Segmentation Capability

Product	Segmentation Type	Supported	Window Size (MS/TP product limited to 1)	Tested
MACH-Air™ (all models)	Able to transmit segmented messages	Yes	1	
	Able to receive segmented messages	Yes	1	

Device Address Binding

Product	Static Binding Supported	Tested
MACH-Air™ (all models)	No	N/A

Character Sets

Product	Character Sets supported	Tested
MACH-Air™ (all models)	ANSI X3.4	✓