

BACnet Protocol Implementation Conformance Statement

Date: 28th June 2011

Vendor Name: Phaedrus Limited

Product Name: EMACSYS BACnet Interface

Product Model Number: n/a

Application Software Version: n/a

Firmware Revision: 1.00

BACnet Protocol Revision: 4

Product Description:

EMACSYS BACnet Interface is a general purpose modular I/O module with 16 digital inputs, 16 digital outputs and 8 analog inputs. The digital inputs may be controlled by 3V logic levels or dry contacts. Other levels are possible using the optional opto input module. Outputs are open collector drivers capable of driving relays, LEDs and small motors. Analog inputs have a 10 bit resolution in the range 0 – 3V.

BACnet Standardized Device Profile (Annex L):

BACnet Application Specific Controller (B-ASC).

BACnet Interoperability Building Blocks Supported (Annex K):

DS-RP-B

DS-RPM-B

DS-WP-B

DS-COV-B

DM-DDB-B

DM-DOB-B

Segmentation Capability:

Able to transmit segmented messages: No.

Able to receive segmented messages: No.

Standard Object Types Supported:

Dynamically Creatable Objects: None

Dynamically Deletable Objects: None

Device

object-identifier

object-name

object-type

vendor-name

vendor-id

model-name

firmware-revision

application-software-revision

protocol-version

protocol-revision

protocol-services-supported

protocol-object-types-supported

object-list
max-apdu-length
segmentation-supported
apdu-timeout
number-of-apdu-retries
device-address-binding
database-revision
description
location

Analog Input

object-identifier
object-name
object-type
present-value
status-flags
event-state
out-of-service
units

Binary Input

object-identifier
object-name
object-type
present-value
status-flags
event-state
out-of-service
polarity

Binary Output

object-identifier
object-name
object-type
present-value
status-flags
event-state
out-of-service
polarity

Data Link Layer Options:

BACnet IP (Annex J)

Device Address Binding:

Static device binding supported: No.

Character Sets Supported:

ANSI X3.4