ECB-STAT-FC **SERIES**

PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (PICS)

LAST REVISION: SEPTEMBER 14, 2010

Vendor Name:	Distech Controls Inc
Product Name:	ECB-STAT-FC Series
Product Model Number:	ECB-STAT-FC-FC, ECB-STAT-FC-AC, ECB-STAT-FC-FCH, ECB-STAT-FC-ACH, ECB-STAT-FC-FH, ECB-STAT-FC-AH, ECB-STAT-FC-FHH, ECB-STAT-FC-AHH,
Product Version:	2.5.06
BACnet Protocol Revision:	2 (135-2001)

Product Description

The ECB-STAT-FC series represents a thermostat family specifically designed to handle fan coil applications. Every thermostat model has an internal temperature sensor and some models have an integrated relative humidity sensor for dehumidification.
With three configurable inputs and one configurable auxiliary output, many advanced control functions are possible. In addition, either two analog or two floating control outputs are available, depending on the thermostat model. All thermostats can control up to three fan speeds, average temperature readings from multiple remote sensors, as well as provide advanced active occupancy logic through an optional attachable PIR motion detector cover.

BACnet Standardized Device Profile (Annex L):

☐ BACnet Operator Workstation (B-OWS)
☐ BACnet Building Controller (B-BC)
☐ BACnet Advanced Application Controller (B-AAC)
☑ BACnet Application Specific Controller (B-ASC)
☐ BACnet Smart Sensor (B-SS)
☐ BACnet Smart Actuator (B-SA)

BACnet Interoperability Building Blocks Supported (Annex K):

BACnet Interoperability Building Block	Supported
Data Sharing-ReadProperty-B (DS-RP-B)	☑
Data Sharing-ReadPropertyMultiple-B (DS-RPM-B)	☑
Data Sharing-WriteProperty-B (DS-WP-B)	☑
Device Management-Dynamic Device Binding-B (DM-DDB-B)	☑
Device Management-Dynamic Object Binding-B (DM-DOB-B)	☑
Device Management-DeviceCommunicationControl-B (DM-DCC-B)	☑

Segmentation Capability:

Segmented Requests Supported ☐ Window Size: N/A
Segmented Responses Supported ☐ Window Size: N/A

Standard Object Types Supported:

Object Type	Supported	Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
Analog Input	☑	☐	☐	Reliability	Out_of_Service
Analog Value	☑	☐	☐	Reliability	Present_Value[a, b] Out_of_Service[a] Object_Name[c]
Binary Input	☑	☐	☐	Reliability Active_Text Inactive_Text	Out_of_Service
Binary Value	☑	☐	☐	Reliability Active_Text Inactive_Text	Present_Value Out_of_Service
Device	☑	☐	☐	Max_Master Max_Info_frames	Object_Identifier Object_name Max_Master
Group	☑	☐	☐	N/A	N/A
Multi-state Value	☑	☐	☐	Reliability States_Text	Present_Value[d] Out_of_Service[d]

a : Present_Value and Out_of_Service properties are writable for every AV objects except :
- PI Heating Demand (AV21)
- PI Cooling Demand (AV22)

b : Present_Value property for Room Temperature (AV7) and Room Humidity (AV10) is writable only if Room Temp Override (BV8) is enabled and Room Humidity Override (BV11) is enabled respectively.

c : Object_Name property is writable for the following object only :
- Room Temperature (AV7)

d : Present_Value and Out_of_Service properties are writable for every MV objects except :
- Heating Valve Status (MV26)
- Cooling Valve Status (MV27)
- Fan Status (MV28)

Data Link Layer Options:

☐ BACnet IP, (Annex J)
☐ BACnet IP, (Annex J), Foreign Device
☐ ISO 8802-3, Ethernet (Clause 7) (10Base2, 10Base5, 10BaseT, Fiber)
☐ ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
☐ ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s):
☑ MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 76800 (Auto Baud)
☐ MS/TP slave (Clause 9), baud rate(s):
☐ Point-To-Point, EIA 232 (Clause 10), baud rate(s):
☐ Point-To-Point, modem, (Clause 10), baud rate(s):
☐ LonTalk, (Clause 11), medium:
☐ Other:

Device Address Binding:

Is static device binding supported? ☐ Yes ☑ No
(Necessary for two-way communication with MS/TP slaves and certain other devices.)

Networking Options:

Router	N/A
Annex H, BACnet Tunnelling	N/A
BACnet/IP Broadcast Management Device (BBMD)	N/A
Does the BBMD support registrations by Foreign Devices?	N/A

Character Sets Supported:

☑ ANSI X3.4	☐ IBM/Microsoft DBCS	☐ JIS C 6226
☐ ISO 10646 (ICS-4)	☐ ISO 10646 (UCS2)	☐ ISO 8859-1

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports:

Not applicable.