

PIC Statement

Vendor Name: Touch-Plate® Lighting Controls
 Product Name: Aura Interior Sensor
 Product Model Number: AUR-IB-FX
 Applications Software Version: 1.5d
 Firmware Revision: 2.48
 BACnet Protocol Revision: 7 (135-2008)

Product Description:

This unit is a general purpose interior sensor that is mapped to Binary Input Objects.

The inputs support subscribed and unsubscribed Change Of Value (COV) operation. MS/TP MAC address, baud rate, I/O configuration may be set using DIP switches.

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-WPM-B, DS-COV-B, DM-DDB-B, DM-DOB-B, DM-DCC-B, DM-RD-B

Segmentation Capability: Not supported

Standard Object Types Supported:

STANDARD OBJECT TYPES SUPPORTED				
Object	Create	Delete	Optional Properties	Custom Properties
Binary Input	N	N	DEVICE_TYPE, RELIABILITY, INACTIVE_TEXT, ACTIVE_TEXT	---
Analog Value	N	N	---	---

DataLink Layer Options: MS/TP master, baud rate(s): 9600, 19200, 38400, 76800

Device Address Binding: Is static device binding supported? No

Networking Options: No routing or BBMD functions are supported.

Character Sets Supported: ANSI X3.4

Table of Objects

OBJECT EXPLANATION					
Table No.	Object	Object Type	Value	Object ID	Used For
BI1	Light Threshold 1	Binary Input	1 = Room Lit	BI1	Ambient light more than Threshold BI1 + Hysterisis
BI2	Light Threshold 2	Binary Input	1 = Room Lit	BI2	Ambient light more than Threshold BI2 + Hysterisis
BI3	Light Threshold 3	Binary Input	1 = Room Lit	BI3	Ambient light more than Threshold BI3 + Hysterisis
BI4	Light Threshold 4	Binary Input	1 = Room Lit	BI4	Ambient light more than Threshold BI4 + Hysterisis
BI5	Motion Detected	Binary Input	1 = Room Occupied	BI5	Motion Detected
AV1	Light Level	Analog Value	0 - 65535 Lux	AV1	Current Light Level
AV2	Light Sensor Hysterisis	Analog Value	1 - 100% (Default is 1%)	AV2	Light Sensor Hysterisis
AV3	Light Sensor Delay	Analog Value	1 - 3600 Seconds (Default is 1)	AV3	Light Sensor Delay
AV4	Lux Threshold 1/2	Analog Value	0 - 65535 Lux (Default is 50)	AV4	Lux Threshold BI1
AV5	Lux Threshold 3/4	Analog Value	0 - 65535 Lux (Default is 100)	AV5	Lux Threshold BI2
AV6	Lux Threshold 5/6	Analog Value	0 - 65535 Lux (Default is 200)	AV6	Lux Threshold BI3
AV7	Lux Threshold 7/8	Analog Value	0 - 65535 Lux (Default is 500)	AV7	Lux Threshold BI4
AV8	Room Vacancy Delay	Analog Value	1 - 120 Minutes (Default is 15)	AV8	Room Vacancy Delay
AV9	Motion Sensitivity Offset	Analog Value	2 - 254 (Default is 25)	AV9	Motion Sensitivity Offset
AV10	Occupancy Sensor Mode	Analog Value	0 = Ignore Motion 1 = Motion Operation (Default)	AV10	Sensor Mode
AV11	MS/TP MAC Address	Analog Value	1 - 127	AV11	MS/TP Address
AV12	MS/TP Baud Rate	Analog Value	9600, 19200, 38400 76800	AV12	Baud Rate
AV1003	Device Instance	Analog Value	0 - 4194303 Default: 68301-68500	AV1003	To read or change the Device ID or Device Instance
DO1	Device Object	Device Object	0 - 4194303	DEV68301- DEV68500	Describing properties of the device to the BACnet network