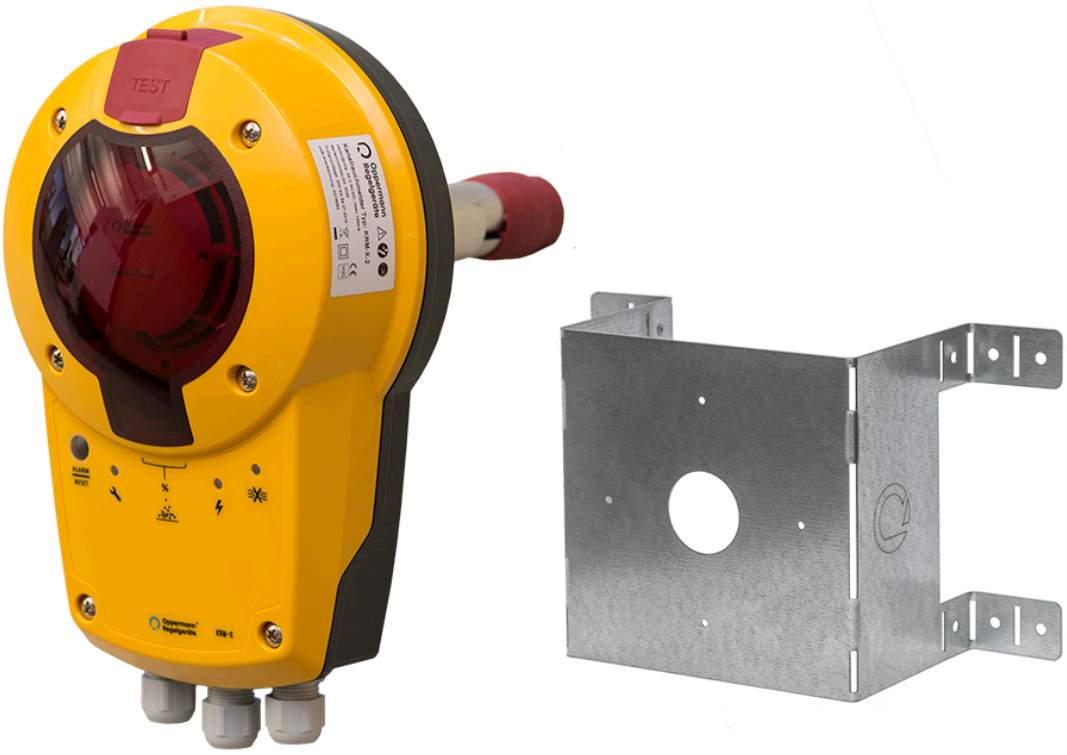
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BACNET PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT

KRM-X-2-0,16

Produal

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BACNET PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT

Date	19.09.2019
Vendor name	Oppermann Regelgeraete GmbH (Vendor ID: 609)
Product name	KRM
Product model number	KRM-X-1-(DZ-)BAC / KRM-X-2-(DZ-)BAC
Application software version	0060
Firmware revision	0060
Product description	Duct smoke detector with BACnet connection
BACnet protocol revision	9

BACnet standardized device profile (Annex L)

BACnet Smart Sensor (B-SS)

Supported BACnet interoperability building blocks (Annex K)

- ReadProperty (DS-RP-B)
- WriteProperty (DS-WP-B)
- ReadPropertyMultiple (DS-RPM-B)
- ChangeOfValue (DS-COV-B)
- DynamicDeviceBindings (DM-DDB-B)
- DynamicObjectBinding (DM-DOB-B)

Supported device binding methods

- ReceiveWho-Is, send I-Am (BIBB DM-DDB-B)
- ReceiveWho-Has, send I-Have (BIBB DM-DOB-B)

Segmentation capability

- Segmentation requests are not supported.
- Segmentation responses are not supported.

Supported standard object types

Device object

Dynamically creatable using the CreateObject service?

No

Dynamically deletable using the DeleteObject service?

No

Supported optional properties

- Description
- Location
- Max_Master
- Max_Info_Frames

Writable properties that are not otherwise required by the standard

- Object_Name
- Description
- Location
- Max_Master
- Max_Info_Frames

Conditionally writable properties that are not otherwise required by the standard

N/A

Proprietary properties

N/A

Information is subject to change without prior notice.

Property value range restrictions

Property Identifier	Restrictions
Object_Name	Max 32 characters
Description	Max 64 characters
Location	Max 64 characters The device ID (DeviceID) can be changed by entering ### and a number. Values below 0 and over 4194302 are ignored. By default, the DeviceID = MS/TP MAC address. The two buttons on the board have priority over the input via bus, i.e. the buttons overwrite the entry with the MAC ID again

Binary input object

Dynamically creatable using the CreateObject service?

No

Dynamically deletable using the DeleteObject service?

No

Supported optional properties

- Description
- Reliability
- Inactive_Text
- Active_Text

Writable properties that are not otherwise required by the standard

- Object_Name
- Description
- Present_Value (conditional)
- Out_Of_Service
- Inactive_Text
- Active_Text

Conditionally writable properties that are not otherwise required by the standard

N/A

Proprietary properties

N/A

Property value range restrictions

Property Identifier	Restrictions
Object_Name	Max 32 characters
Description	Max 64 characters

List of object identifiers and their meaning in this device

Object ID	Object name	Description	Comment
BI0	Rauchmelder	Smoke alarm	Status flags for fault and out of service are supported. Active_Text default: ALARM Inactive_Text default: Normal
BI1	Stroemung	Available flow	Status flags for fault and out of service are supported. Active_Text default: Ein Inactive_Text default: Aus

Analog input object

Dynamically creatable using the CreateObject service?

No

Dynamically deletable using the DeleteObject service?

No

Supported optional properties

- Description
- Reliability
- COV-Increment
- Resolution
- Min_Pres_Value
- Max_Pres_Value

Writable properties that are not otherwise required by the standard

- Object_Name
- Description
- Present_Value (conditional)
- Out_Of_Service
- COV-Increment

Conditionally writable properties that are not otherwise required by the standard

N/A

Proprietary properties

N/A

Property value range restrictions

Property Identifier	Restrictions
Object_Name	Max 32 characters
Description	Max 64 characters

List of object identifiers and their meaning in this device

Object ID	Object name	Description	Unit	Comment
AI0	Rauchmelder Messwert	Smoke sensor value	No Unit	Status flags for fault and out of service are supported.
AI1	Verschmutzung	Smoke sensor contamination	%	Status flags for fault and out of service are supported.
AI2	Temperatur	Temperature in the measurement channel	°C	Status flags for fault and out of service are supported.

Data link layer options

- MS/TP master (Clause 9), baud rates: 9600/19200/38400/76800 bps

Networking options

N/A

Segmentation capability

N/A

Character sets supported

- ANSI X3.4

If the product is a communication gateway, the supported non-BACnet equipment/network(s)

N/A