

# Salto Server – BACnet Spezifikation

Im folgenden Dokument werden die BACnet Spezifikationen zum Salto Server von IBSYS erläutert.

## 1. Salto Server BACnet Spezifikationen

- BACnet Device Profile: BACnet Building Controller (B-BC)
- BACnet Protocol Revision: 15
- Device Name: Salto\_Server
- Device ID: 8406

## 2. BACnet Objektmodell

### 2.1. Standard

Der Salto Server stellt standardmässig die folgenden Objekte pro Türe zur Verfügung:

BACnet Object Type	Object Type ID	Salto Event	Text
Multi-State Value	19	OperationID mit Description	Siehe Salto Operation IDs

#### 2.1.1. Object Properties

- Object Name: Name der Türe, z.B. «EG\_A\_001»
- Description: «Operation der Türe»
- Object ID: Fortlaufend, beginnend bei 0
- Event Detection: Enabled
- Notify Type: Event

### 2.2. Option

Der Salto Server kann optional folgende Objekte pro Türe zur Verfügung stellen:

BACnet Object Type	Objectname	Description	Text
Analog Value	2	OperationID	<i>Kein Text</i>
Binary Value	5	isExit	true/false
Multi-State Value	19	OperationID mit Description	Siehe Salto Operation IDs

Falls optional zum Standardobjekt eines der hier beschriebenen Objekte verwendet wird, sind die Objectnames bzw. Descriptions wie folgt:

BACnet Object Type	Objectname	Description
Analog Value	Tür Namen, z.B. «EG_A_001_OID»	«OperationID der Türe»
Binary Value	Tür Namen, z.B. «EG_A_001_IE»	<i>Keine Beschreibung</i>
Multi-State Value	Tür Namen, z.B. «EG_A_001»	«Operation der Türe»

## 2.3. Unterstützte Object Properties

Folgend sind die unterstützten BACnet Object Properties beschrieben:

### 2.3.1. Analog Value

- Present\_Value
- Description
- Out\_Of\_Service

### 2.3.2. Binary Value

- Present\_Value
- Description
- Out\_Of\_Service
- Inactive\_Text
- Active\_Text

### 2.3.3. Multi-State Value

- Present\_Value
- Description
- Out\_Of\_Service
- State\_Text

## 3. BACnet Alarme

Standardmässig stellt der Salto Server keine BACnet Alarme zur Verfügung. Dies steht als Option jedoch zur Verfügung.

## 4. Salto Operation IDs

Value	State Text
1	None
2	New Renovation Code For Key Online
3	Door Opened Inside Handle
4	Door Opened Key
5	Door Opened Key And Keypad
6	Door Opened Multiple Guest Key
7	Door Opened Unique Opening
8	Door Opened Switch
9	Door Opened Mechanical Key
10	Door Opened Ppd
11	Door Opened Keypad
12	Door Opened Spare Key
13	Door Opened Online
14	Door Most Probably Opened Key And Pin
15	Start Of Office Mode Keypad
16	End Of Office Mode Keypad
17	Door Closed Key
18	Door Closed Key And Keypad
19	Door Closed Keypad
20	Door Closed Switch
21	Key Inserted Energy Saving Device
22	Key Removed Energy Saving Device
23	Room Prepared Energy Saving Device
24	Start Of Privacy
25	End Of Privacy
26	Duress Alarm
27	Communication With The Reader Lost
28	Communication With The Reader Reestablished
29	Start Of Office Mode
30	End Of Office Mode
31	Door Programmed With Spare Key
32	New Hotel Guest Key
33	Start Of Emergency Opening Online
34	End Of Emergency Opening Online
35	Start Of Emergency Closing Online
36	End Of Emergency Closing Online
37	Alarm Intrusion
38	Alarm Tamper
39	Door Left Opened
40	End Of Door Left Opened
41	End Of Intrusion Alarm
42	Start Of Office Mode Online
43	End Of Office Mode Online
44	End Of Tamper Alarm
45	Automatic Change
46	Key Updated In Out Of Site Mode Online
47	Expiration Extended Offline

48	Access Point Updated
49	Key Updated Online
50	Key Deleted Online
51	Communication With The Server Lost
52	Communication With The Server Established
53	Opening Not Allowed Key No Activated
54	Opening Not Allowed Key Expired
55	Opening Not Allowed Key Out Of Date
56	Opening Not Allowed Invalid Key
57	Opening Not Allowed Out Of Time
58	Opening Not Allowed Key Does Not Override Privacy
59	Opening Not Allowed Old Guest Key
60	Opening Not Allowed Invalid Key Due To Cancel Key Or Check Out
61	Opening Not Allowed Antipassback
62	Opening Not Allowed Second Double Key Not Presented
63	Opening Not Allowed No Authorization
64	Opening Not Allowed Invalid Pin
65	Opening Not Allowed Door In Emergency State
66	Opening Not Allowed Key Cancelled
67	Opening Not Allowed Unique Opening Key Already Used
68	Opening Not Allowed Incompatible Renovation Number
69	Warning Key Has Not Been Completely Updated
70	Opening Not Allowed Run Out Of Battery
71	Opening Not Allowed It Is Not Possible To Audit Opening
72	Opening Not Allowed Locker Occupancy Timeout
73	Opening Not Allowed Refused By Host
74	Key Deleted
75	Opening Not Allowed Key With Data Manipulated
76	Closing Not Allowed Door In Emergency State
77	New Renovation Code For Door
78	Ppd Connection
79	Daylight Saving Time
80	Low Battery Level
81	Open Close Operation Not Completed
82	Lock Restarted
83	Bolt Out
84	Bolt Inside
85	Locker Taken
86	Locker Released
87	Communication With The Device Reestablished
88	Communication With The Device Lost
89	Guest New Key
90	Guest Copy Key

## Kontakt

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