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ADVANCED PRODUCT NEWS

SUBJECT

Product News: Launching of new ATW-KNX-02

DATE: MAY-16

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Summary

This advanced product news introduces the launching of new ATW-KNX-02 gateway.

The details are indicated in the description.

Description

1. DESCRIPTION, CODES AND DATE OF SALES

- New model:

DESCRIPTION	CODE	DATE OF SALE
ATW-KNX-02	7E549925	May 2016



Applicable in the following series:

Refer to the full Models list indicated in APN-2015029 - Launching of new YUTAKI series for Heating line-up 2016

Series	Production date
Yutaki S 2016	From Initial Sales (May 2016 (*1))
Yutaki S80 2016	From Initial Sales (May 2016 (*1))
Yutaki S Combi 2016	From Initial Sales (May 2016 (*1))
Yutaki M 2016	From Initial Sales (May 2016 (*1))

(*1) This dates are estimated. Some of them could finally vary.

ATW-KNX-02 is also compatible with the previous series:

Series	Production date
Yutaki S	March 2015 - April 2016 (*)
Yutaki S80	March 2015 - April 2016 (*)
Yutaki S Combi	March 2015 - April 2016 (*)

(*) For detailed compatibility refer to EG-2015007 and EG-2015026.

- Obsolete model:

DESCRIPTION	CODE	DATE END OF SALES
ATW-KNX-01	7E549913	May 2016

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2. FEATURES OF THE NEW PRODUCT

ATW-KNX-02 offers the possibility to connect the New Yutaki series to a KNX network, including new Yutaki M and old series of Yutaki S/S80/S Combi.

New variables:

- (Control/Status)_ Unit Mode Auto
- (Control/Status)_ (C1/C2) ECO Mode
- (Control/Status)_ (C1/C2) ECO Heat Offset Temperature
- (Control/Status)_ (C1/C2) Cool Offset Temperature
- (Control/Status)_ DHW Boost
- (Control/Status)_ DHW High Demand Mode
- Status_ (C1/C2) Wireless Set point Temperature
- Status_ (C1/C2) Wireless Ambient Temperature
- Status_ Water Flow Level
- Status_ Water Pump Speed
- Status_ Unit Model
- Status_ PCB Software Version
- Status_ LCD Software Version
- Status_ Capacity
- Status_ Unit Power Consumption

3. NEW PRODUCT GENERAL DATA.

3.1. Hardware specifications

Item	Specifications
Dimensional Data	70x70x27mm (Length x Width x Height)
Net Weight	70g
Power Supply	Option 1: Use power supply connector supplied or another source from 12V DC. Option 2: Connect directly from a 10-40V DC
Operating temperature	0°C to +40°C
Operating humidity	25-90% at 50°C, non-condensing

3.2. H-LINK

Item	Specifications
Communication with	HITACHI Yutaki (S / S80 / S Combi / M(2016))
Communication line	Twisted pair shielded cable, non-polarity
Communication system	Half-duplex
Communication method	Asynchronous
Speed of transmission	9600 Bauds
Length of wiring	1000 m maximum (total length of HLINK I/O bus)
Maximum number of gateways	1 Gateway/H-LINK SYSTEM
Maximum number of Units	Only for 1 Yutaki unit.

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3.3. KNX

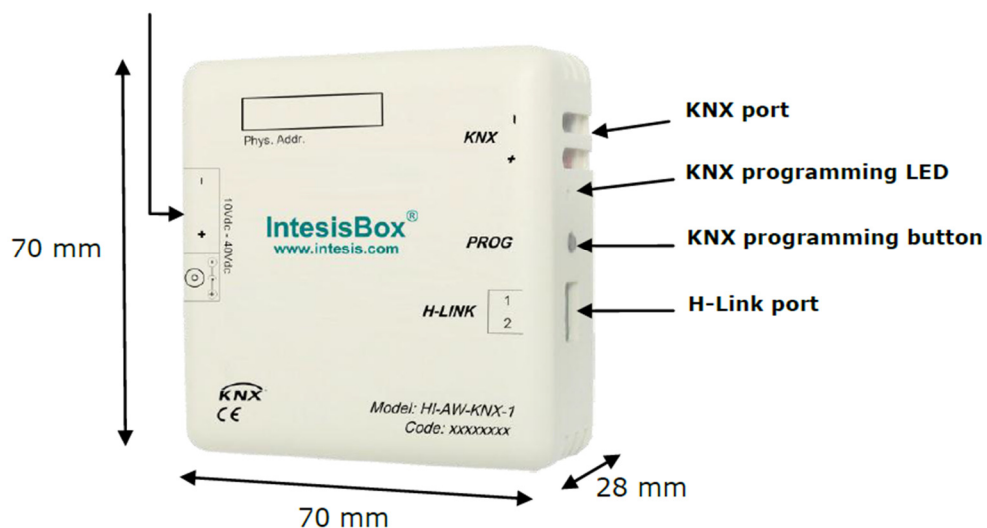
Item	Specifications
Connector	KNX TP1
Communication line	Twisted pair cable, polarity
Communication system	Half-duplex
Communication method	Asynchronous
Baud rate transmission	9600 Baud
Length	1000 m maximum

Note:

For KNX communication restrictions, ask to a KNX expert.

4. INSTALLATION

4.1. Dimensional data and description

External Power Supply connection**Hitachi Air Conditioning Products Europe, S.A.U.
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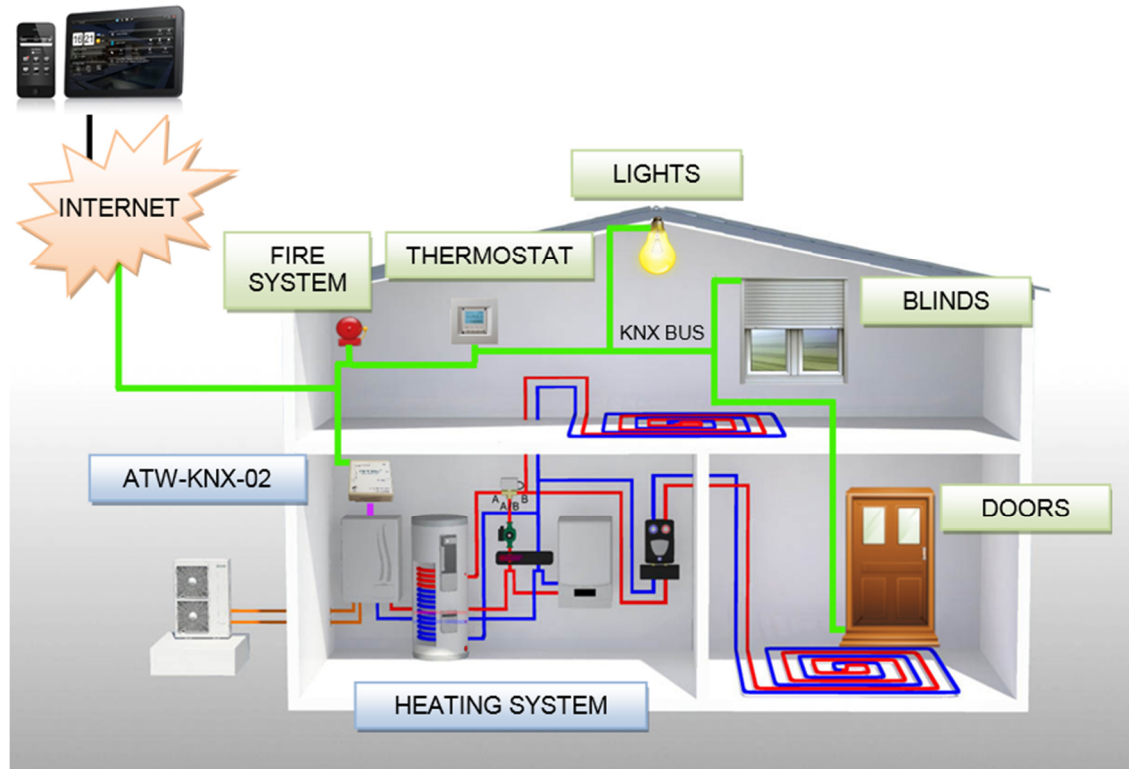
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4.2. Description of elements



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4.3. Yutaki unit configuration

Operation modes

The LCD device of Yutaki (S, S80, S Combi & M(2016)) is ready for communication with ATW-KNX-02. The LCD has 4 defined modes for the "Central Operation". They describe the kind of function that is desired for that central operation communication.

Those modes are:

A) Local

Central orders are not allowed.

Modbus system can only read data from the Yutaki (S, S80, S Combi & M(2016)) for servicing.

B) Air

LCD will work as a room thermostat.

Modbus system sends the room thermostat settings and ambient temperature and Yutaki works with this data as if it was sent from a room thermostat.

Modbus system can read data from the Yutaki (S, S80, S Combi & M(2016)).

Run/Stop, mode, swimming pool and DHWT signals are also available.

C) Water

Modbus system sends the water temperature settings (heating and cooling) to the Yutaki.

Modbus system can read data from the Yutaki.

Run/Stop, mode, swimming pool, DHWT signals are also available.

D) Full

Modbus system can control all variables from Air and Water modes at same time.

Modbus system can read data from the Yutaki.

Run/Stop, mode, swimming pool, DHWT signals are also available.

Notes:

- Setup of the "Central operation" mode must be done from LCD device; refer to the Yutaki (S, S80, S Combi & M(2016)) manual for the procedure.
- When central operation is activated on the LCD (in Air, Water or Full mode), the following icon will be displayed:

-  Yutaki 2016 series.
-  Yutaki up to 2016 series

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5. OPERATION

5.1. Compatibility

The new ATW-KNX-02 is compatible with HITACHI new Yutaki series 2016, Yutaki S, Yutaki S80, Yutaki S Combi and Yutaki M and also with old series of Yutaki S, Yutaki S80 and Yutaki S Combi.

Yutaki S Compatibility (See EG-2015007 for more information)

This device is not compatible with any of the following Hitachi central controllers:

- ATW-KNX-(01/02)
- ATW-TAG-(01/02)
- ATW-MBS-(01/02)

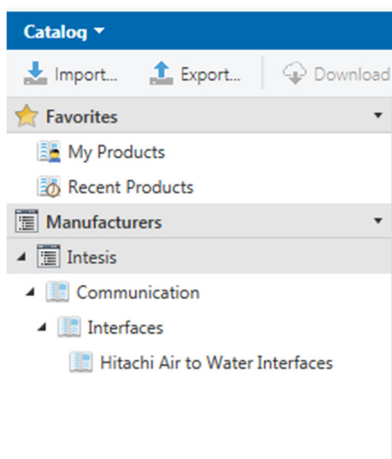
This device is not compatible with old Yutaki M units.

5.2. Configuration

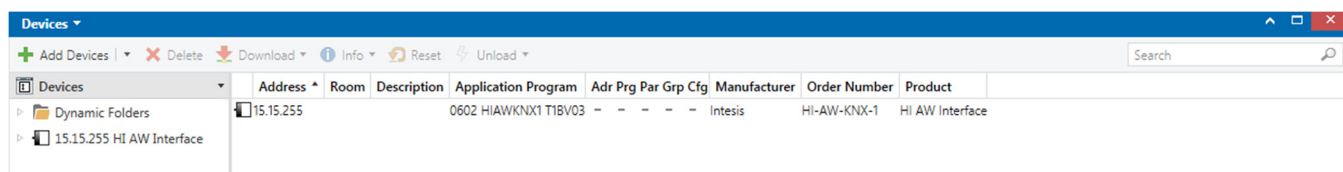
This is an example configuration, for more details see the installation manual available on the web.

The manual and the ETS catalog file will be uploaded to the service web (www.hitachiaircon.es) on May'16

- Download HIAWKNX1(...).knxprod file from the service web.
- Open ETS software.
- Open the installation project or create a new one.
- Import the Device to a Catalog, using downloaded file HIAWKNX1(...).knxprod.



- Add the device to Device list.



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- Configure the parameters depending on your installation.

15.15.255 HI AW Interface > Settings

Settings

Download latest database entry for this product and its User Manual from:

Model

☐ Yutaki series 2015 or older

☒ Yutaki series 2016 or newer

System is Yutaki S80

☒ No ☐ Yes

System working mode

Full

2nd circuit (C2) is available

☒ No ☐ Yes

DHW is available (Domestic Hot Water)

☒ No ☐ Yes

Swimming pool is available

☒ No ☐ Yes

Show extra information objects (for status)

☒ No ☐ Yes

Group Objects Parameter

- Configure Group address.

Devices	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
Dynamic Folders	0	Control_Unit Run/Stop [DPT_1.010]	0-Stop;1-Run	Control_Unit... 2/1/0	1 bit	C	-	W	-	-	-	start/stop	Low
15.15.255 HI AW Interface	1	Control_Unit Mode [DPT_20.105]	0-Auto;1-Heat;3-Cool	Control_Unit... 2/1/1	1 byte	C	-	W	-	-	-	HVAC control modeLow	
	2	Control_Unit Mode Cool/Heat [DPT_1.100]	0-Cool;1-Heat	Control_Unit... 2/1/2	1 bit	C	-	W	-	-	-	cooling/heating	Low
	3	Control_Unit Mode Auto [DPT_1.002]	1-Set AUTO Mode	Control_Unit... 2/1/3	1 bit	C	-	W	-	-	-	boolean	Low
	4	Control_Unit Mode Heat [DPT_1.002]	1-Set HEAT Mode	Control_Unit... 2/1/4	1 bit	C	-	W	-	-	-	boolean	Low
	5	Control_Unit Mode Cool [DPT_1.002]	1-Set COOL Mode	Control_Unit... 2/1/5	1 bit	C	-	W	-	-	-	boolean	Low
	6	Control_C1 Run/Stop [DPT_1.010]	0-Stop;1-Run	Control_C1 R... 2/1/6	1 bit	C	-	W	-	-	-	start/stop	Low
	7	Control_C1 Heat OTC Mode Off [DPT_1.002]	1-Set OTC Mode OFF	Control_C1 H... 2/1/7	1 bit	C	-	W	-	-	-	boolean	Low
	8	Control_C1 Heat OTC Mode Points [DPT_1.002]	1-Set OTC Mode POINTS	Control_C1 H... 2/1/8	1 bit	C	-	W	-	-	-	boolean	Low
	9	Control_C1 Heat OTC Mode Grad [DPT_1.002]	1-Set OTC Mode GRAD	Control_C1 H... 2/1/9	1 bit	C	-	W	-	-	-	boolean	Low
	10	Control_C1 Heat OTC Mode Fix [DPT_1.002]	1-Set OTC Mode FIX	Control_C1 H... 2/1/10	1 bit	C	-	W	-	-	-	boolean	Low
	11	Control_C1 Cool OTC Mode Off [DPT_1.002]	1-Set OTC Mode OFF	Control_C1 C... 2/1/11	1 bit	C	-	W	-	-	-	boolean	Low
	12	Control_C1 Cool OTC Mode Points [DPT_1.002]	1-Set OTC Mode POINTS	Control_C1 C... 2/1/12	1 bit	C	-	W	-	-	-	boolean	Low
	13	Control_C1 Cool OTC Mode Fix [DPT_1.002]	1-Set OTC Mode FIX	Control_C1 C... 2/1/13	1 bit	C	-	W	-	-	-	boolean	Low
	14	Control_C1 Water Heat Setpoint [DPT_9.001]	°C	Control_C1... 2/1/14	2 bytes	C	-	W	-	-	-	temperature (°C)	Low
	15	Control_C1 Water Cool Setpoint [DPT_9.001]	°C	Control_C1... 2/1/15	2 bytes	C	-	W	-	-	-	temperature (°C)	Low
	16	Control_C1 ECO Mode [DPT_1.002]	0-Comfort;1-Eco	Control_C1 E... 2/1/16	1 bit	C	-	W	-	-	-	boolean	Low
	17	Control_C1 ECO Heat Offset Temperature [DPT_9.001]	°C	Control_C1 E... 2/1/17	2 bytes	C	-	W	-	-	-	temperature (°C)	Low
	18	Control_C1 ECO Cool Offset Temperature [DPT_9.001]	°C	Control_C1 E... 2/1/18	2 bytes	C	-	W	-	-	-	temperature (°C)	Low
	19	Control_C1 Thermo Setpoint Temp [DPT_9.001]	°C	Control_C1 T... 2/1/19	2 bytes	C	-	W	-	-	-	temperature (°C)	Low
	20	Control_C1 Ambient Temp [DPT_9.001]	°C	Control_C1 A... 2/1/20	2 bytes	C	-	W	-	-	-	temperature (°C)	Low

- Make "download physical address" (press the programming button).
- Make "unload application".

Devices	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
Dynamic Folders	0	Control_Unit Run/Stop [DPT_1.010]	0-Stop;1-Run	Control_Unit... 2/1/0	1 bit	C	-	W	-	-	-	start/stop	Low
15.15.255 HI AW Interface	1	Control_Unit Mode [DPT_20.105]	0-Auto;1-Heat;3-Cool	Control_Unit... 2/1/1	1 byte	C	-	W	-	-	-	HVAC control modeLow	
	2	Control_Unit Mode Cool/Heat [DPT_1.100]	0-Cool;1-Heat	Control_Unit... 2/1/2	1 bit	C	-	W	-	-	-	cooling/heating	Low
	3	Control_Unit Mode Auto [DPT_1.002]	1-Set AUTO Mode	Control_Unit... 2/1/3	1 bit	C	-	W	-	-	-	boolean	Low
	4	Control_Unit Mode Heat [DPT_1.002]	1-Set HEAT Mode	Control_Unit... 2/1/4	1 bit	C	-	W	-	-	-	boolean	Low

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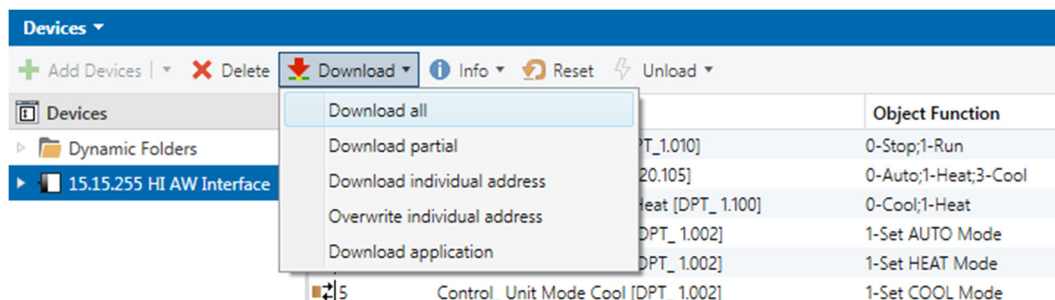
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- Make "download all" (take between 10 and 15 minutes).



5.3. Data Available

Number	Name	Object Function	Length	R	W	T	Data Type	
0	Control_ Unit Run/Stop [DPT_1.010]	0-Stop 1-Run	1 bit	-	W	-	start/stop	
1	Control_ Unit Mode [DPT_20.105]	0-Auto 1-Heat 3-Cool	1 byte	-	W	-	HVAC control mode	
2	Control_ Unit Mode Cool/Heat [DPT_1.100]	0-Cool 1-Heat	1 bit	-	W	-	cooling/heating	
3	Control_ Unit Mode Auto [DPT_1.002]	1-Set AUTO Mode	1 bit	-	W	-	boolean	
4	Control_ Unit Mode Heat [DPT_1.002]	1-Set HEAT Mode	1 bit	-	W	-	boolean	
5	Control_ Unit Mode Cool [DPT_1.002]	1-Set COOL Mode	1 bit	-	W	-	boolean	
6	Control_ C1 Run/Stop [DPT_1.010]	0-Stop 1-Run	1 bit	-	W	-	start/stop	
7	Control_ C1 Heat OTC Mode Off [DPT_1.002]	1-Set OTC Mode OFF	1 bit	-	W	-	boolean	
8	Control_ C1 Heat OTC Mode Points [DPT_1.002]	1-Set OTC Mode POINTS	1 bit	-	W	-	boolean	
9	Control_ C1 Heat OTC Mode Grad [DPT_1.002]	1-Set OTC Mode GRAD	1 bit	-	W	-	boolean	
10	Control_ C1 Heat OTC Mode Fix [DPT_1.002]	1-Set OTC Mode FIX	1 bit	-	W	-	boolean	
11	Control_ C1 Cool OTC Mode Off [DPT_1.002]	1-Set OTC Mode OFF	1 bit	-	W	-	boolean	
12	Control_ C1 Cool OTC Mode Points [DPT_1.002]	1-Set OTC Mode POINTS	1 bit	-	W	-	boolean	
13	Control_ C1 Cool OTC Mode Fix [DPT_1.002]	1-Set OTC Mode FIX	1 bit	-	W	-	boolean	
14	Control_ C1 Water Heat Setpoint [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
15	Control_ C1 Water Cool Setpoint [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
16	Control_ C1 ECO Mode [DPT_1.002]	0-Comfort 1-Eco	1 bit	-	W	-	boolean	
17	Control_ C1 ECO Heat Offset Temperature [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
18	Control_ C1 ECO Cool Offset Temperature [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
19	Control_ C1 Thermo Setpoint Temp [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
20	Control_ C1 Ambient Temp [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
21	Control_ C2 Run/Stop [DPT_1.010]	0-Stop 1-Run	1 bit	-	W	-	start/stop	
22	Control_ C2 Heat OTC Mode Off [DPT_1.002]	1-Set OTC Mode OFF	1 bit	-	W	-	boolean	
23	Control_ C2 Heat OTC Mode Points [DPT_1.002]	1-Set OTC Mode POINTS	1 bit	-	W	-	boolean	
24	Control_ C2 Heat OTC Mode Grad [DPT_1.002]	1-Set OTC Mode GRAD	1 bit	-	W	-	boolean	
25	Control_ C2 Heat OTC Mode Fix [DPT_1.002]	1-Set OTC Mode FIX	1 bit	-	W	-	boolean	
26	Control_ C2 Cool OTC Mode Off [DPT_1.002]	1-Set OTC Mode OFF	1 bit	-	W	-	boolean	
27	Control_ C2 Cool OTC Mode Points [DPT_1.002]	1-Set OTC Mode POINTS	1 bit	-	W	-	boolean	
28	Control_ C2 Cool OTC Mode Fix [DPT_1.002]	1-Set OTC Mode FIX	1 bit	-	W	-	boolean	
29	Control_ C2 Water Heat Setpoint [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
30	Control_ C2 Water Cool Setpoint [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	

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31	Control_ C2 ECO Mode [DPT_1.002]	0-Comfort 1-Eco	1 bit	-	W	-	boolean	
32	Control_ C2 ECO Heat Offset Temperature [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
33	Control_ C2 ECO Cool Offset Temperature [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
34	Control_ C2 Thermo Setpoint [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
35	Control_ C2 Ambient Temp [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
36	Control_ DHW Run/Stop [DPT_1.010]	0-Stop 1-Run	1 bit	-	W	-	start/stop	
37	Control_ DHW Boost [DPT_1.002]	1-Request	1 bit	-	W	-	boolean	
38	Control_ DHW High Demand Mode [DPT_1.002]	0-Standard 1-High	1 bit	-	W	-	boolean	
39	Control_ DHW Setpoint [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
40	Control_ SwimPool Run/Stop [DPT_1.010]	0-Stop 1-Run	1 bit	-	W	-	start/stop	
41	Control_ SwimPool Setpoint [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
42	Control_ AntiLeg Run/Stop [DPT_1.010]	0-Stop 1-Run	1 bit	-	W	-	start/stop	
43	Control_ AntiLeg Setpoint [DPT_9.001]	°C	2 bytes	-	W	-	temperature (°C)	
44	Control_ KNX Blocks/Enables Menu [DPT_1.003]	0-Block 1-Enable	1 bit	-	W	-	enable	
45	Status_ Unit Run/Stop [DPT_1.010]	0-Stop 1-Run	1 bit	R	-	T	start/stop	
46	Status_ Unit Mode [DPT_20.105]	1-Heat 3-Cool	1 byte	R	-	T	HVAC control mode	
47	Status_ Unit Mode Cool/Heat [DPT_1.100]	0-Cool 1-Heat	1 bit	R	-	T	cooling/heating	
49	Status_ Unit Mode Heat [DPT_1.002]	1-HEAT Mode is active	1 bit	R	-	T	boolean	
50	Status_ Unit Mode Cool [DPT_1.002]	1-COOL Mode is active	1 bit	R	-	T	boolean	
51	Status_ C1 Run/Stop [DPT_1.010]	0-Stop 1-Run	1 bit	R	-	T	start/stop	
52	Status_ C1 Heat OTC Mode Off [DPT_1.002]	1-OTC Mode OFF is set	1 bit	R	-	T	boolean	
53	Status_ C1 Heat OTC Mode Points [DPT_1.002]	1-OTC Mode POINTS is set	1 bit	R	-	T	boolean	
54	Status_ C1 Heat OTC Mode Grad [DPT_1.002]	1-OTC Mode GRAD is set	1 bit	R	-	T	boolean	
55	Status_ C1 Heat OTC Mode Fix [DPT_1.002]	1-OTC Mode FIX is set	1 bit	R	-	T	boolean	
56	Status_ C1 Cool OTC Mode Off [DPT_1.002]	1-OTC Mode OFF is set	1 bit	R	-	T	boolean	
57	Status_ C1 Cool OTC Mode Points [DPT_1.002]	1-OTC Mode POINTS is set	1 bit	R	-	T	boolean	
58	Status_ C1 Cool OTC Mode Fix [DPT_1.002]	1-OTC Mode FIX is set	1 bit	R	-	T	boolean	
59	Status_ C1 Water Heat Setpoint [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
60	Status_ C1 Water Cool Setpoint [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
61	Status_ C1 ECO Mode [DPT_1.002]	0-Comfort 1-Eco	1 bit	R	-	T	boolean	
62	Status_ C1 ECO Heat Offset Temperature [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
63	Status_ C1 ECO Cool Offset Temperature [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
64	Status_ C1 Thermo Setpoint Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
65	Status_ C1 Ambient Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
66	Status_ C1 Wireless Setpoint Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
67	Status_ C1 Wireless Ambient Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
68	Status_ C2 Run/Stop [DPT_1.010]	0-Stop 1-Run	1 bit	R	-	T	start/stop	
69	Status_ C2 Heat OTC Mode Off [DPT_1.002]	1-OTC Mode OFF is set	1 bit	R	-	T	boolean	
70	Status_ C2 Heat OTC Mode Points [DPT_1.002]	1-OTC Mode POINTS is set	1 bit	R	-	T	boolean	

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71	Status_ C2 Heat OTC Mode Grad [DPT_1.002]	1-OTC Mode GRAD is set	1 bit	R	-	T	boolean	
72	Status_ C2 Heat OTC Mode Fix [DPT_1.002]	1-OTC Mode FIX is set	1 bit	R	-	T	boolean	
73	Status_ C2 Cool OTC Mode Off [DPT_1.002]	1-OTC Mode OFF is set	1 bit	R	-	T	boolean	
74	Status_ C2 Cool OTC Mode Points [DPT_1.002]	1-OTC Mode POINTS is set	1 bit	R	-	T	boolean	
75	Status_ C2 Cool OTC Mode Fix [DPT_1.002]	1-OTC Mode FIX is set	1 bit	R	-	T	boolean	
76	Status_ C2 Water Heat Setpoint [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
77	Status_ C2 Water Cool Setpoint [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
78	Status_ C2 ECO Mode [DPT_1.002]	0-Comfort 1-Eco	1 bit	R	-	T	boolean	
79	Status_ C2 ECO Heat Offset Temperature [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
80	Status_ C2 ECO Cool Offset Temperature [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
81	Status_ C2 Thermo Setpoint [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
82	Status_ C2 Ambient Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
83	Status_ C2 Wireless Setpoint Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
84	Status_ C2 Wireless Ambient Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
85	Status_ DHW Run/Stop [DPT_1.010]	0-Stop 1-Run	1 bit	R	-	T	start/stop	
86	Status_ DHW Boost [DPT_1.002]	0-Not requested 1-Requested	1 bit	R	-	T	boolean	
87	Status_ DHW High Demand Mode [DPT_1.002]	0-Standard 1-High	1 bit	R	-	T	boolean	
88	Status_ DHW Setpoint [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
89	Status_ DHW Temperature [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
90	Status_ SwimPool Run/Stop [DPT_1.010]	0-Stop 1-Run	1 bit	R	-	T	start/stop	
91	Status_ SwimPool Setpoint [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
92	Status_ SwimPool Temperature [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
93	Status_ AntiLeg Run/Stop [DPT_1.010]	0-Stop 1-Run	1 bit	R	-	T	start/stop	
94	Status_ AntiLeg Setpoint [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
95	Status_ KNX Blocks/Enables Menu [DPT_1.003]	0-Block 1-Enable	1 bit	R	-	T	enable	
96	Status_ Error/Alarm [DPT_1.005]	0-No alarm 1-Alarm	1 bit	R	-	T	alarm	
97	Status_ Error Code [2byte]	0-No error/Any other see man.	2 bytes	R	-	T		
98	Status_ Operation State Unit On/Off [DPT_1.001]	0-Off 1-On	1 bit	R	-	T	switch	
99	Status_ Operation State Cool Demand [DPT_1.001]	0-Off 1-On	1 bit	R	-	T	switch	
100	Status_ Operation State Cool Thermo [DPT_1.001]	0-Off 1-On	1 bit	R	-	T	switch	
101	Status_ Operation State Heat Demand [DPT_1.001]	0-Off 1-On	1 bit	R	-	T	switch	
102	Status_ Operation State Heat Thermo [DPT_1.001]	0-Off 1-On	1 bit	R	-	T	switch	
103	Status_ Operation State DHW [DPT_1.001]	0-Off 1-On	1 bit	R	-	T	switch	
104	Status_ Operation State SwimPool [DPT_1.001]	0-Off 1-On	1 bit	R	-	T	switch	
105	Status_ Operation State Alarm [DPT_1.005]	0-No alarm 1-Alarm	1 bit	R	-	T	alarm	
106	Status_ Outdoor Ambient Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
107	Status_ Second Ambient Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	

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SUBJECT

Product News: Launching of new ATW-KNX-02

DATE: MAY-16

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Number	Name	Object Function	Length	R	W	T	Data Type	
108	Status_ Water Inlet Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
109	Status_ Water Outlet Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
110	Status_ Defrost Operation [DPT_1.001]	0-Off 1-On	1 bit	R	-	T	switch	
111	Status_ Water Pump 1 Operation [DPT_1.001]	0-Off 1-On	1 bit	R	-	T	switch	
112	Status_ Water Pump 2 Operation [DPT_1.001]	0-Off 1-On	1 bit	R	-	T	switch	
113	Status_ Water Pump 3 Operation [DPT_1.001]	0-Off 1-On	1 bit	R	-	T	switch	
114	Status_ Disch. Gas Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
115	Status_ Suct. Gas Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
116	Status_ Gas Temp THMg [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
117	Status_ Liquid Temp THMI [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
118	Status_ Water Outlet Temp 3 [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
119	Status_ Outdoor AmbAvg Temp [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
120	Status_ Inv Oper Freq [DPT_14.033]	Hz	4 bytes	R	-	T	frequency (Hz)	
121	Status_ Indoor Exp. Valve Opening [DPT_5.001]	%	1 byte	R	-	T	percentage (0..100%)	
122	Status_ Outdoor Exp. Valve Opening [DPT_5.001]	%	1 byte	R	-	T	percentage (0..100%)	
123	Status_ Mixing Valve Position [DPT_5.001]	%	1 byte	R	-	T	percentage (0..100%)	
124	Status_ Compressor Run Current [DPT_9.021]	mA	2 bytes	R	-	T	current (mA)	
125	Status_ Water Flow [DPT_13.002]	m3/h	4 bytes	R	-	T	flow rate (m³/h)	
126	Status_ Water Pump Speed [DPT_5.001]	%	1 byte	R	-	T	percentage (0..100%)	
127	Status_ Unit Model Yutaki S [DPT_1.002]	1-Model is Yutaki S	1 bit	R	-	T	boolean	
128	Status_ Unit Model Yutaki S Combi [DPT_1.002]	1-Model is Yutaki S Combi	1 bit	R	-	T	boolean	
129	Status_ Unit Model Yutaki S80 [DPT_1.002]	1-Model is Yutaki S80	1 bit	R	-	T	boolean	
130	Status_ Unit Model Yutaki M [DPT_1.002]	1-Model is Yutaki M	1 bit	R	-	T	boolean	
131	Status_ PCB Software Version [DPT_217.001]	Software version	2 bytes	R	-	T	DPT version	
132	Status_ LCD Software Version [DPT_217.001]	Software version	2 bytes	R	-	T	DPT version	
133	Status_ Instant Capacity [DPT_13.013]	kWh	4 bytes	R	-	T	active energy (kWh)	
134	Status_ Unit Power Consumption [DPT_13.013]	kWh	4 bytes	R	-	T	active energy (kWh)	
135	Status_ Disch. Gas Temp R134A [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
136	Status_ Suct. Gas Temp R134A [DPT_9.001]	°C	2 bytes	R	-	T	temperature (°C)	
139	Status_ Disch. Pressure R134A [DPT_14.058]	Pa	4 bytes	R	-	T	pressure (Pa)	
140	Status_ Suct. Pressure R134A [DPT_14.058]	Pa	4 bytes	R	-	T	pressure (Pa)	
141	Status_ Inv Oper Freq R134A [DPT_14.033]	Hz	4 bytes	R	-	T	frequency (Hz)	
142	Status_ Indoor Exp. Valve Open R134A [DPT_5.001]	%	1 byte	R	-	T	percentage (0..100%)	
143	Status_ Compressor Run Current R134A [DPT_9.021]	mA	2 bytes	R	-	T	current (mA)	
144	Status_ Error Code R134A [1byte]	HI error code	1 byte	R	-	T		

These are all available variables. They will appear those that are configured

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