



Pool'nX for Klereo

Exchange table (Klereo - KNX)

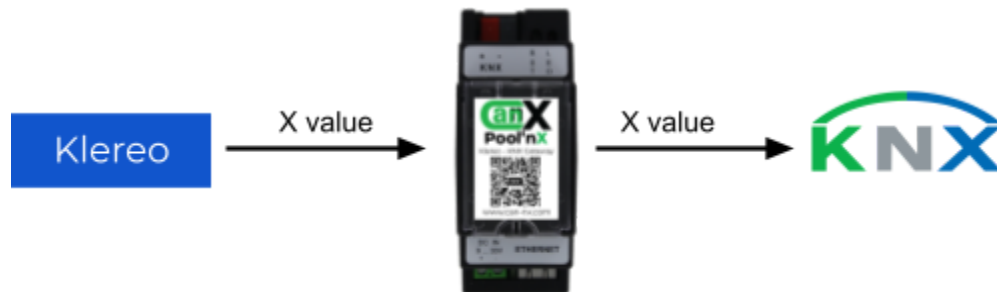
Date : 23 February 2022

Version du Manuel : V01EN

Version : Klereo

Language : English

1. Pool values retrieved from the KLEREO cloud sent on the KNX bus



Variable	Description	Unit / Values	DPT	Type de données
PoolMode	Pool mode	[0] Stop [1] Eco [2] Normal [3] Monitoring [4] Winterization [5] Reserved [6] Installation [7] Reserved	5.010	1 Byte Unsigned
TraitMode	Trait mode	[0] No disinfectant [1] Liquid chlorine [2] Electrolyzer model Generic [3] Electrolyzer model Klereo 1 [4] Oxygen [5] Bromine [6] Electrolyzer model Klereo 2 [7] Reserved [8] Electrolyser model Klereo 3	5.010	1 Byte Unsigned
pHMode	pH mode	[0] Stop [1] pH-Minus [2] pH-Plus	5.010	1 Byte Unsigned
HeaterMode	Heater mode	[0] No heating [1] Heating or heat pump by dry contact [2] Heat pump controlled by bus	5.010	1 Byte Unsigned
Probes.Type.0	Internal temperature	°C	9.001	2 Byte float value
Probes.Type.1	Air temperature	°C	9.001	2 Byte float value

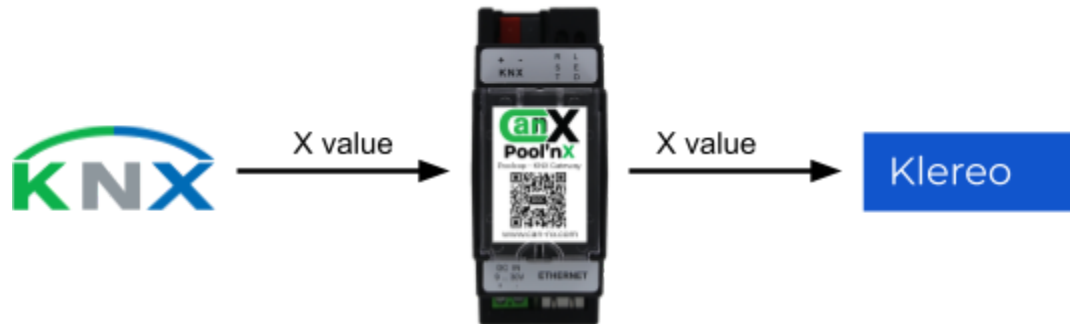
Probes.Type.2	Water level		5.010	1 Byte Unsigned
Probes.Type.3	pH	No unit	9.001	2 Byte float value
Probes.Type.4	ORP	mV	14.005	4 Byte float value
Probes.Type.5	Water temperature	°C	9.001	2 Byte float value
Probes.Type.6	Pressure	mbar	14.005	4 Byte float value
Probes.Type.7	TAC/TH	mg/l	14.005	4 Byte float value
Probes.Type.8	Salinity	mg/l	14.005	4 Byte float value
Probes.Type.9	Turbidity	NFU	14.005	4 Byte float value
Probes.Type.10	Generic		14.005	4 Byte float value
Debit1	Flow Meter 1	Variable according to the type of sensor (see table below)		
CfgDeb1 : 0	→ Disable			
CfgDeb1 : 1	→ Flow Meter	m ³ /h	9.001	2 Byte float value
CfgDeb1 : 2	→ Water meter	L	13.001	Signed 4 Byte
CfgDeb1 : 3	→ Flowswitch	[0] No flow, [1] Flowing	1.001	Bool
CfgDeb1 : 4	→ Flowswitch (inverted)	[0] Flowing , [1] No flow	1.001	Bool
Debit2	Flow Meter 2	Variable according to the type of sensor (see table below)		
CfgDeb2 : 0	→ Disable			
CfgDeb2 : 1	→ Flow Meter	m ³ /h	9.001	2 Byte float value
CfgDeb2 : 2	→ Water meter	L	13.001	Signed 4 Byte
CfgDeb2 : 3	→ Flowswitch	[0] No flow, [1] Flowing	1.001	Bool
CfgDeb2 : 4	→ Flowswitch (inverted)	[0] Flowing , [1] No flow	1.001	Bool
Probes.Type.12.ind ex.6	pH canister	[0] Empty, [100] Full	5.001	1 Byte Unsigned
Probes.Type.12.ind ex.7	Treatment canister	[0] Empty, [100] Full	5.001	1 Byte Unsigned



Probes.Type.13	Pool cover	[0 -- 100]	6.010	1 Byte Signed
Probes.Type.14	Chlorine	mg/l	9.002	2 Byte float value
outs.index.0	Light	[0] Manual Off [1] Manual On [12] Time Range [20] Timer Off [21] Timer On	5.010	1 Byte Unsigned
outs.index.1	Filtration	[0] Manual Off [1] Manual On [12] Time Range [31] Regulated On	5.010	1 Byte Unsigned
outs.index.2	pH corrector		5.010	1 Byte Unsigned
outs.index.3	Disinfectant		5.010	1 Byte Unsigned
outs.index.4	Heating	[0] Manual Off [31] Regulated On	5.010	1 Byte Unsigned
outs.index.5	Auxiliary 1	[0] Manual Off [1] Manual On [12] Time Range [20] Timer Off [21] Timer On	5.010	1 Byte Unsigned
outs.index.6	Auxiliary 2		5.010	1 Byte Unsigned
outs.index.7	Auxiliary 3		5.010	1 Byte Unsigned
outs.index.9	Auxiliary 4		5.010	1 Byte Unsigned
outs.index.10	Auxiliary 5		5.010	1 Byte Unsigned
outs.index.11	Auxiliary 6		5.010	1 Byte Unsigned
outs.index.12	Auxiliary 7		5.010	1 Byte Unsigned
outs.index.13	Auxiliary 8		5.010	1 Byte Unsigned
outs.index.14	Auxiliary 9		5.010	1 Byte Unsigned
outs.index.15	Hybrid disinfectant			5.010
params.Consigne Chlore	Chlorine setpoint	mg/l	9.002	2 Byte float value
params.Consigne PH	pH setpoint		9.002	2 Byte float value
params.Consigne Redox	ORP setpoint	mV	14.005	4 Byte float value
params.Consigne Eau	Water temperature setpoint	°C	9.001	2 Byte float value

alerts[0]	Alert code 0	Alert number See table Alert Code below*	5.010	1 Byte Unsigned
alerts[1]	Alert code 1		5.010	1 Byte Unsigned
alerts[2]	Alert code 2		5.010	1 Byte Unsigned
alerts[3]	Alert code 3		5.010	1 Byte Unsigned
alerts[4]	Alert code 4		5.010	1 Byte Unsigned
alerts[0].param	Alert parameter 0	Probe concerned by the alert [1,7,8,10]. See table Probe code below**	5.010	1 Byte Unsigned
alerts[1].param	Alert parameter 1		5.010	1 Byte Unsigned
alerts[2].param	Alert parameter 2		5.010	1 Byte Unsigned
alerts[3].param	Alert parameter 3		5.010	1 Byte Unsigned
alerts[4].param	Alert parameter 4		5.010	1 Byte Unsigned
PoolnX.Nombre d'alerte	Alert number	Number of ongoing alerts	5.010	1 Byte Unsigned
PoolnX.Alerte Haute	High alert	At least one ongoing high alert	5.010	1 Byte Unsigned
PoolnX.Alerte Moyenne	Medium alert	At least one ongoing medium alert	5.010	1 Byte Unsigned

2. Commands from KNX transmitted to the KLEREO cloud



Variable	Désignation	Unit / Values	DPT	Type de données
SetOuts.index.0	Light	[0] Manual Off [1] Manual On [12] Time Range [20] Timer Off [21] Timer On	5.010	1 Byte Unsigned
SetOuts.index.1	Filtration	[0] Manual Off [1] Manual On [12] Time Range [31] Regulated On	5.010	1 Byte Unsigned
SetOuts.index.4	Heating	[0] Manual Off , [31] Regulated On	5.010	1 Byte Unsigned
SetOuts.index.5	Auxiliary 1	[0] Manual Off [1] Manual On [12] Time Range [20] Timer Off [21] Timer On	5.010	1 Byte Unsigned
SetOuts.index.6	Auxiliary 2		5.010	1 Byte Unsigned
SetOuts.index.7	Auxiliary 3		5.010	1 Byte Unsigned
SetOuts.index.9	Auxiliary 4		5.010	1 Byte Unsigned
SetOuts.index.10	Auxiliary 5		5.010	1 Byte Unsigned
SetOuts.index.11	Auxiliary 6		5.010	1 Byte Unsigned
SetOuts.index.12	Auxiliary 7		5.010	1 Byte Unsigned
SetOuts.index.13	Auxiliary 8		5.010	1 Byte Unsigned
SetOuts.index.14	Auxiliary 9		5.010	1 Byte Unsigned
SetParam.Consigne Eau	Water temperature setpoint		~	9.001

PoolnX.ConsigneEau	Water temperature setpoint	true = current set point + 1°C / false = current set point - 1°C	1.001	Bool
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ALERT CODE*

Code alerte	Signification
0	No alert
1	Sensor out of order
2	Relay configuration problem
3	pH/ORP inversion
4	[RESERVED]
5	Low battery
6	Calibration
7	Minimum
8	Maximum
9	[RESERVED]
10	Not received
11	[RESERVED]
12	[RESERVED]
13	[RESERVED]
14	[RESERVED]
15	[RESERVED]
16	[RESERVED]
17	[RESERVED]
18	[RESERVED]
19	[RESERVED]
20	[RESERVED]
21	Memory fault



22	Circulation problem
23	Insufficient filtration stages
24	[RESERVED]
25	High pH ineffective disinfectant
26	Undersized filtration
27	[RESERVED]
28	Regulation Off
29	Manual Filtration Off
30	Installation mode
31	Shock treatment
32	[RESERVED]
33	[RESERVED]
34	Regulation disabled
35	Maintenance
36	Daily limit
37	MutiSensor faulty
38	Electrolyser linkage
39	Bromine problem
40	Electrolyser cell
41	PAC connection
42	PB configuration sensor
43	Electrolyser safety
44	Dosing pump maintenance
45	Learning
46	Water flow analysis
47	Cover configuration
48	Uncontrolled filtration



49	Check the clock
50	Heat pump E
51	Heat pump P
52	Heat pump F
53	Filter pump connection
54	Filter pump
55	Multisensor Gen3 required

PROBE CODE**

Probe Code	Signification
0	Temperature Box
1	Air 1
2	Water Temperature
3	pH Gen1
4	ORP Gen1
5	Pressure Gen1
6	Canister Level pH
7	Canister Level Treatment
8	Coverage Status
9	pH Gen2
10	ORP Gen2
11	Chlorine Gen2
12	Water Temperature Gen2
13	Pressure Gen2-A
14	Pressure Gen2-B



15	Flow1 Gen3
16	Water Temperature Gen3
17	pH Gen3
18	Redox Gen3
19	Temperature Air2
20	Temperature Air3
21	Pressure Gen3
22	Chlorine Gen3
23	Flocculent can
24	Flow2 Gen3
25	Air 4
26	Air 5
27	Air 6
28	Air 7
29	Air 8
30	Air 9
31	Air 10