



Pool'nX for Poolcop

Exchange table (Poolcop - KNX)

Date : 23 February 2022

Version du Manuel : V01EN

Version : Poolcop

Language : English

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



Variable	Description	Unit / Values	DPT	Data type
status.poolcop	System status	[0] Pump stopped [1]Freezing risk [2]Forced mode [3]Automatic mode (ECO+ or volume) [4]Timers mode [5]Manual mode [6]Pause between two cycles [7]External request [8]Level management for Rimflow pool [9]Mode 24H	5.010	Unsigned Integer 1 Byte
settings.pump.pressure_alarm	Low pressure alarm (when pump is on)	mBar	9.006	2 Byte float value
pressure	water pressure at pump output	mBar	9.006	2 Byte float value
pH	pH setpoint	pH	9.001	2 Byte float value
ph.set_point	pH current value	pH	9.001	2 Byte float value
orp.set_point	ORP setpoint	mV	7.001	Unsigned Integer 2 Byte
ORP	OPP current value	mV	7.001	Unsigned Integer 2 Byte
temperature.air	Outdoor temperature	°C	9.001	2 Byte float value
ioniser	Ionizer value	mA (not	5.010	Unsigned Integer

		supported anymore since V43)		1 Byte
temperature.water	Water temperature	°C	9.001	2 Byte float value
Battery_voltage	Battery voltage value , should be over than 11.5V	V	9.020	2 Byte float value
waterlevel	Water level with 5 values	[0] Default [1] Low level [2] Normal level [3] High level [4] Very high level	5.010	Unsigned Integer 1 Byte
status.pump	Pump status	[1] On, [0] Off	1.002	Bool
status.valveposition	Valve position	[0] Filter [1] Waste [2] Closed [3] Backwash [4] Bypass [5] Rinse [6], [7], [8] Errors (loss of position or rotation error) [9] Rotation in progress	5.010	Unsigned Integer 1 Byte
status.pumpspeed	Pump current speed	Pump Speed in case of multispeed pump	5.010	Unsigned Integer 1 Byte
aux[0].status	Relay 1 status	[1] On, [0] Off (depends on the wired output)	1.002	Bool
aux[1].status	Relay 2 status	[1] On, [0] Off (depends on the wired output)	1.002	Bool
aux[2].status	Relay 3 status	[1] On, [0] Off (depends on the wired output)	1.002	Bool
aux[3].status	Relay 4 status	[1] On, [0] Off (depends on the wired output)	1.002	Bool
aux[4].status	Relay 5 status	[1] On, [0] Off (depends on the wired output)	1.002	Bool
aux[5].status	Relay 6 status	[1] On, [0] Off	1.002	Bool



		(depends on the wired output)		
settings.pump.nb_speed	Max pump's speed	Maximum allowed pump speed	5.010	Unsigned Integer 1 Byte
settings.waterlevel.auto_add	Enable auto filling	[1] On, [0] Off	1.002	Bool
settings.autochlorinator.auto	Enable chlorine auto treatment	[1] On, [0] Off	1.002	Bool
settings.ioniser.mode		Not supported since V43 version	1.002	Bool
PoolnX.Alert	One alert is On	[1] Alarm, [0] No alarm	1.002	Bool
PoolnX.Number of alerts	Number of alert	[0-255]	5.010	Unsigned Integer 1 Byte
PoolnX.Alert n°1 ID	Alert N°1 Code		5.010	Unsigned Integer 1 Byte
PoolnX.Alert n°2 ID	Alert N°2 Code		5.010	Unsigned Integer 1 Byte
PoolnX.Alert n°3 ID	Alert N°3 Code		5.010	Unsigned Integer 1 Byte
PoolnX.Alert n°4 ID	Alert N°4 Code		5.010	Unsigned Integer 1 Byte
PoolnX.Alert n°5 ID	Alert N°5 Code		5.010	Unsigned Integer 1 Byte
network.connected	Pool connected to cloud status	[0] Cloud disconnected pool, [1] Cloud connected pool	1.002	Bool
Erreur Pool'nX	Pool'nX error status		1.002	Bool

2. Commands from KNX transmitted to the POOLCOP cloud



Variable	Description	Unit / Values	DPT	Data type
aux/:0	Switch relay 1 (If not controlled by regulation)	[0] Off, [1] On	1.002	Bool
aux/:1	Switch relay 2 (If not controlled by regulation)	[0] Off, [1] On	1.002	Bool
aux/:2	Switch relay 3 (If not controlled by regulation)	[0] Off, [1] On	1.002	Bool
aux/:3	Switch relay 4 (If not controlled by regulation)	[0] Off, [1] On	1.002	Bool
aux/:4	Switch relay 5 (If not controlled by regulation)	[0] Off, [1] On	1.002	Bool
aux/:5	Switch relay 6 (If not controlled by regulation)	[0] Off, [1] On	1.002	Bool
valve/:	Change the valve position	[0] Filter [1] Waste [2] Closed [3] Backwash [4] Bypass [5] Rinse [9] Rotation in progress	5.010	Unsigned integer 1 Byte
pump	Switch pump On/Off	Status inversion On -> [1] Off Off -> [1] On	1.017	Trigger
pump/:	Changes the pump speed (1, 2, 3) Max speed depends on the installation (see settings.pump.ng_speed)	[0 - settings.pump.nb_speed]	5.010	Unsigned integer 1 Byte