

LON-Works voor Rooftop - Aircoolair clim 50

Protocol: Lon works
 versie: FTT-10A 78 kbs (TP/FT-10).

baudrate: 4800 (aanbevolen)
 min. 1200
 max. 19200

Identificatie: max. 200 3931

Instelmogelijkheid:

3900	3931	Identification number	1	1 - 200	nr.
BMS	3932	Type	list	list	list
	3933	Baud	list	list	list
	3934	Watchdog	0	0-1000	nr.
	3935	BMS Stby	off	on/off	on/off

Levering: Lon-kaart: De LON-kaart wordt zonder programma geleverd.
 Er wordt een application identification number getoond: 90009406000A0400

Software: NXE-file Application Image file.
 Deze dient u in de LON kaart te programmeren.
 XIF-file External Interface file.
 Deze dient u in de remote interface te programmeren.
 RPT-file Report file.
 Ten behoeve van oudere programma's, verificatie file.
 TXT-file Cross-reference list, inclusief uitleg.
 Reference list; LON-kaart, PCO1 regelaar, remote interface)

- Programmeren:
1. De NXE-file dient in iedere LON-kaart geladen te worden.
 2. De XIF-file dient in de remote interface geladen te worden.
 3. De geselecteerde bindings kunnen geprogrammeerd worden.

LonWorks Climatic-50 Rooftop Lennox

Network variables cross-reference

Type	Index pCO	Name NV	Type NV	Direction	Index pCO		DS50
ANL	1	I_Sp_T_Cool_BMS	105	input	1	[Occupation][Room SP] Required maximum room temperature in °C. Cooling set point	3322
ANL	1	O_Sp_T_Cool_BMS	105	output	1		
ANL	2	I_Sp_T_Heat_BMS	105	input	2	[Occupation][Room SP] Required minimum room temperature in °C. Heating set point	3323
ANL	2	O_Sp_T_Heat_BMS	105	output	2		
ANL	3	I_Sp_T_Cool_Uno	105	input	3	[Inoccupation][Room SP] Required maximum room temperature in °C. Cooling set point	3322
ANL	3	O_Sp_T_Cool_Uno	105	output	3		
ANL	4	I_Sp_T_Heat_Uno	105	input	4	[Inoccupation][Room SP] Required minimum room temperature in °C. Heating set point	3323
ANL	4	O_Sp_T_Heat_Uno	105	output	4		
ANL	5	I_Sp_Hr_DeHu_BMS	81	input	5	[Humidity] Desired Maximum relative humidity in Room (in %). – Dehumidification set point.	3341
ANL	5	O_Sp_Hr_DeHu_BMS	81	output	5		
ANL	6	I_Sp_Hr_Humi_BMS	81	input	6	[Humidity] Desired Minimum relative humidity in Room (in %). – Humidification set point.	3342
ANL	6	O_Sp_Hr_Humi_BMS	81	output	6		
ANL	17	O_T_Room	105	output	17	[Temperature] Room	2112
ANL	18	O_T_Outside	105	output	18	[Temperature] Outdoor	2111
ANL	19	O_la_T_Supply	105	output	19	[Temperature] Supply	2113
ANL	20	O_Hr_Room	81	output	20	[Relative Humidity] Room	2122
ANL	21	O_Ha_Room	23	output	21	[Absolute Humidity] Room	2124
ANL	22	O_Hr_Outside	81	output	22	[Relative Humidity] Outdoor	2121
ANL	23	O_Ha_Outside	23	output	23	[Absolute Humidity] Outdoor	2123
Type	Index pCO	Name NV	Type NV	Direction	Index pCO		DS50
INT	1	I_Sp_BMS_Dog	8	input	208	[BMS] Activation of the control by a computer or an automat - mode BMS is activated if this value is different	3932
INT	1	O_Sp_BMS_Dog	8	output	208		
INT	2	I_Sp_EcoMini_BMS	8	input	209	[Room SP] Required room minimum fresh air rate in % Middle of the dead zone.	3312
INT	2	O_Sp_EcoMini_BMS	8	output	209		
INT	3	I_Hour	8	input	210	[Clock] Hour	3121
INT	3	O_Hour	8	output	210		
INT	4	I_Minute	8	input	211	[Clock] Minute	3122
INT	4	O_Minute	8	output	211		
INT	5	I_Day	8	input	212	[Clock] Day of the month	3123
INT	5	O_Day	8	output	212		
INT	6	I_Month	8	input	213	[Clock] Month	3124
INT	6	O_Month	8	output	213		
INT	17	O_Error_Codes	8	output	224	[Alarm] Code Error	1000
INT	18	O_Oa_Eco	81	output	225	[% of opening] Register of fresh air	2413
INT	19	O_Oa_GasHeat	81	output	226	[% of opening] Valve gas	2618
INT	20	O_Oa_TriacHeat	81	output	227	[% of opening] Electrical heaters (Triac)	2627
INT	21	O_Oa_HotWater	81	output	228	[% of opening] Hot water coil	2633

Type	Index pCO	Name NV	Type NV	Direction	Index pCO		DS50
DGT	1	I_Sp_On_Unit	95	input	415	[On / Off] Unit	3111
DGT	1	O_Sp_On_Unit	95	output	415		
DGT	2	I_Sp_Reset	95	input	416	[Reset] Discharges the safety measures of the unit	3112
DGT	2	O_Sp_Reset	95	output	416		
DGT	3	I_Sp_Unoc	95	input	417	[BMS] Activation of the Inoccupation mode [Off] occupation mode - [On] inoccupation mode	3933
DGT	3	O_Sp_Unoc	95	output	417		
DGT	4	I_Clock	95	input	418	[Clock] [OFF] read hour & minute [ON] write hour & minute	...
DGT	17	O_Od_Alarm	95	output	431	[Alarm] General	1000
DGT	18	O_Od_Blower	95	output	432	[On/Off] Fan, Blower	2315
DGT	19	O_Od_Comp_1	95	output	433	[On/Off] Compressor, 1	2516
DGT	20	O_Od_CPac_1	95	output	434	[On/Off] Compressor, Heat pump, 1	2517
DGT	21	O_Od_Comp_2	95	output	435	[On/Off] Compressor, 2	2526
DGT	22	O_Od_CPac_2	95	output	436	[On/Off] Compressor, Heat pump, 2	2527
DGT	23	O_Od_Comp_3	95	output	437	[On/Off] Compressor, 3	2536
DGT	24	O_Od_CPac_3	95	output	438	[On/Off] Compressor, Heat pump, 3	2537
DGT	25	O_Od_Comp_4	95	output	439	[On/Off] Compressor, 4	2546
DGT	26	O_Od_CPac_4	95	output	440	[On/Off] Compressor, Heat pump, 4	2547
DGT	27	O_Od_GasHeat_11	95	output	441	[On/Off] Gas, Burner, 1	2615
DGT	28	O_Od_GasHeat_2	95	output	442	[On/Off] Gas, Burner, 2	2616
DGT	29	O_Od_GasHeat_12	95	output	443	[On/Off] Gas, Burner, High power, 1	2617
DGT	30	O_Od_ElecHeat_1	95	output	444	[On/Off] Electrical heaters, 1	2625
DGT	31	O_Od_ElecHeat_2	95	output	445	[On/Off] Electrical heaters, 2	2626

Network Variable Naming Conventions:

The programmatic name of a network variable (in the "Name NV" column) may be prefixed with its storage class, as defined below. For compactness, underscores are typically not used and all characters are typically lowercase, except the first character of a word.

The following conventions are used, but not required:

network variable i nviXXXXXXXXXXXX
network variable o nvoXXXXXXXXXXXX
configuration network va nciXXXXXXXXXXXX

Due to the limitation of 16 characters for names of the network variables and configuration properties, there is a convention for abbreviations. The following list represents some typical abbreviations, but it is not meant to be all-inclusive:

Actual	Act	Minimum	Min
Calendar	Cal	Parts-per-million	Ppm
Clear	Clr	Object	Obj
Continuous	Cont	Output	Out
Delay	Dly	Position	Pos
Device	Dev	Range	Rnge
Discrete	Disc	Request	Req
Electric	Elec	Rate	Rt
Feedback	Fb	Resistance	Res
Floating-poin	f	Source	Src
Frequency	Freq	Standby	Stby
Hardware	Hw	String	Str
Increment	Inc	Table	Tbl
Inhibit	Inh	Time	T
Input	In	Translation	Trans
Level	Lev	Volume	Vol
Maximum	Max	Watt-hour	Whr
Micrometer	Micr		