



Air curtains type Li - light

Controls for the air curtains

Controller: Econ

Controller description: Econ is intended for fan and heater (water heated or ambient) control, with connection possibility of external elements (door contact, room or outlet thermostat).

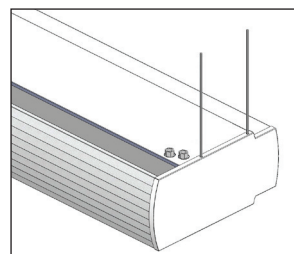
Dimensions: w. 71 x h. 71 x d. 25 mm
The controller is intended only for wall mounting. IP 20



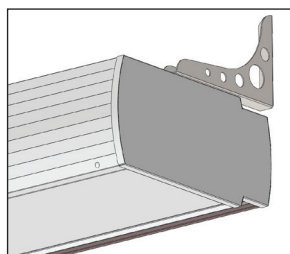
Functions of Econ control:

	Free potential door contact incl. time delay	standard
	Connection in Master/Slave	not possible
	Room thermostat, control via external remote contact	standard
	Small control dimensions, wall mounting	standard
	Possibility of electrothermic valve control	standard

Suspension possibilities



Underceiling suspension

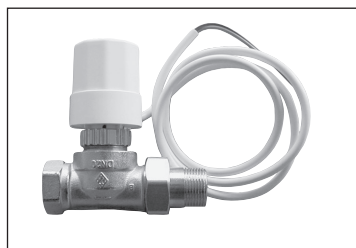


Wall suspension

Heating capacity regulation



Thermostatic head for 2-way or 3-way valve



Electrothermic gear for 2-way or 3-way valve

Controller: Ditronic Touch

Ditronic controller is fitted with an intelligent processor regulator, designed specifically for Comfort and Design air curtains that are fitted with AC or EC fans. Due to the units sleek design and readable blue colour screen, it is suitable for most kinds of interior design applications (from a basic type to the more expensive stylish type). The controller offers local control, control from superior system (BMS) or Modbus compatibility.

The controller is intended for wall mounting IP 20.
Control connection via cable with connector RJ 45 see pic.



Dimensions of the controller:
DITRONIC TOUCH
125 long x 90 high x 32 deep



- The system allows to control the temperature according to the room or outlet air temperature.



- The unit can be operated according to the week regime. You can choose the regime 1-7 or 1-5; 6-7.



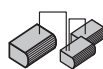
- The unit can be operated from the door contact with time delay.



- The whole unit can be operated from the superior regulation systems.



- Anti-frost protection of the room.



- Series connection of devices in the Master/Slave mode.
For other functions see catalogue Li.

Li - Light ERP 09/2016 CZ



Air curtains type Li-light



Representation:

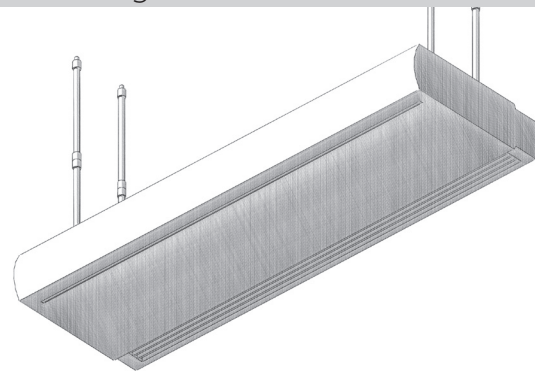


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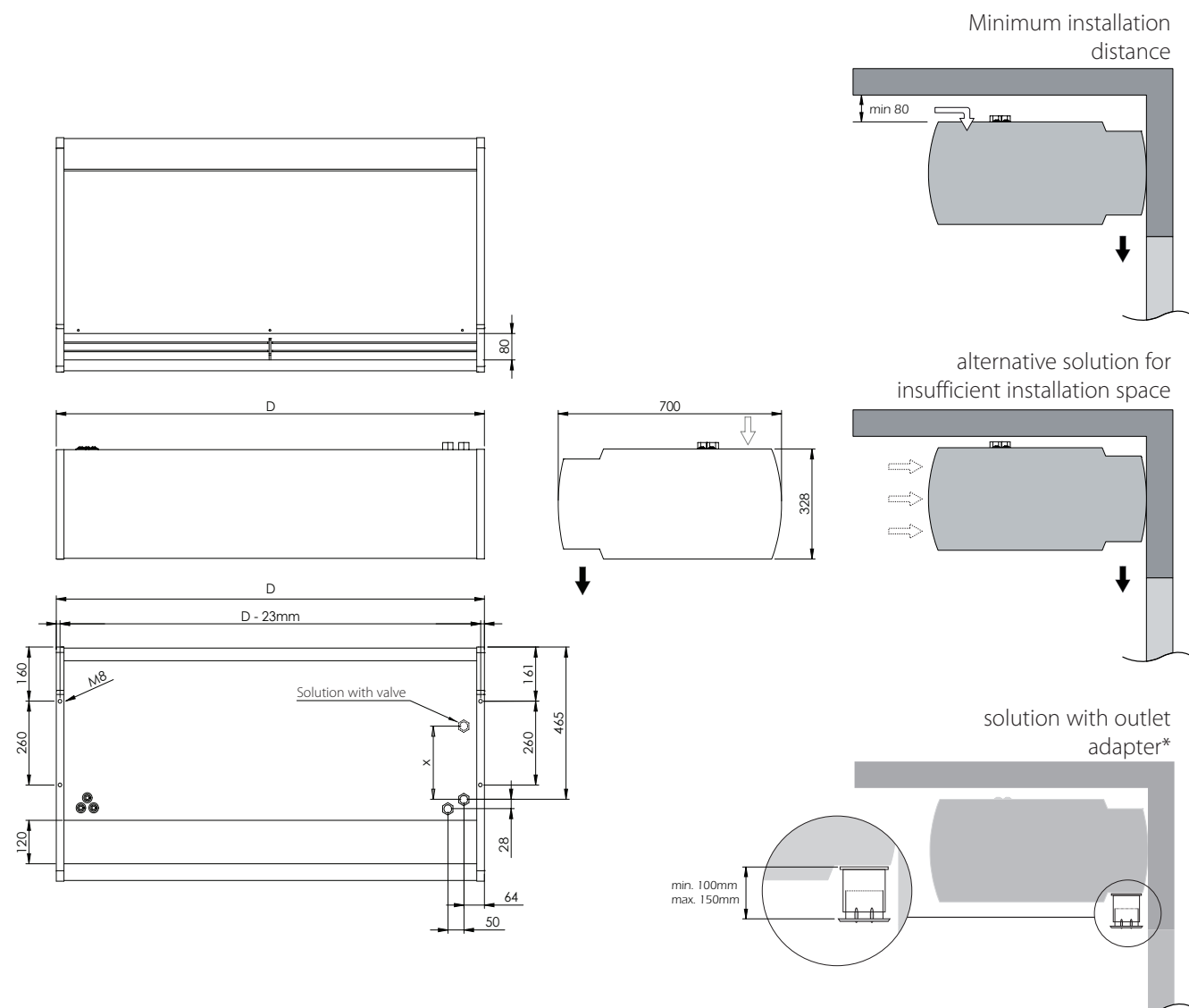


Technical data - dimensions Li - light



Model		THCP 100-4-Lix Light	THCP 150-4-Lix Light	THCP 200-4-Lix Light	THCP 250-4-Lix Light	THCP 100-4-Li0 Light	THCP 150-4-Li0 Light	THCP 200-4-Li0 Light	THCP 205-4-Li0 Light	THCP 100-4-Li1 Light	THCP 150-4-Li1 Light	THCP 200-4-Li1 Light	THCP 250-4-Li1 Light
Air outlet aperture height	m	2,2	2,2	2,2	2,2	2,5	2,5	2,5	2,5	2,5	2,8	2,8	2,8
Dimensions length	D mm	998	1498	1998	2468	998	1498	1998	2468	998	1498	1998	2468
of the unit leigth	V mm	328	328	328	328	328	328	328	328	328	328	328	328
depth	H mm	700	700	700	700	700	700	700	700	700	700	700	700

Li Light air curtain is standardly painted in RAL 7047



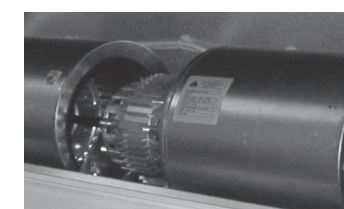
Technical data for water heated coils N, NN

Technical data „N“	THCP 100-4-Lix N(E) Light	THCP 150-4-Lix N(E) Light	THCP 200-4-Lix N(E) Light	THCP 250-4-Lix N(E) Light	THCP 100-4-Li0 N(E) Light	THCP 150-4-Li0 N(E) Light	THCP 200-4-Li0 N(E) Light	THCP 250-4-Li0 N(E) Light	THCP 100-4-Li1 N(E) Light	THCP 150-4-Li1 N(E) Light	THCP 200-4-Li1 N(E) Light	THCP 250-4-Li1 N(E) Light
Air- handling capacity [m³/h]	1600	2420	3250	4050	2100	3200	4300	5400	2600	3650	5250	6380
Hot water heater (water 80/60/18°C)												
i=18°C capacity [kW]	11,6	19,2	27,5	34,6	13,5	22,5	32,3	40,9	15,1	24,3	36,2	45,0
pressure loss [kPa]	5,3	3,8	9,4	7,2	7,0	5,1	12,6	9,7	8,6	5,8	15,5	11,5
flow volume rate [m³/h]	0,47	0,79	1,15	1,48	0,58	0,94	1,37	1,73	0,65	1,0	1,55	1,9
Hot water heater (water 60/40/18°C)												
i=18°C capacity [kW]	6,5	10,8	15,9	20,0	7,5	12,6	18,6	23,4	8,3	13,5	20,7	25,6
pressure loss [kPa]	2,0	1,5	3,8	2,8	2,6	1,9	5,0	3,8	3,2	2,2	6,1	4,5
flow volume rate [m³/h]	0,25	0,43	0,65	0,83	0,29	0,54	0,79	0,97	0,32	0,58	0,86	1,08
Connection	20	20	20	20	20	20	20	20	20	20	20	20
Electric heater**												
capacity alt 1 Max. [kW]	5	5	10	12,5	5	7,5	12,5	15	5	7,5	15	17,5
capacity alt 2 Max. [kW]	7,5	7,5	12,5	15	7,5	10	15	17,5	7,5	10	20	20
capacity alt 3 Max. [kW]	-	10	15	17,5	10	12,5	17,5	20	10	12,5	22,5	25
capacity alt 4 Max. [kW]	-	-	-	20	-	15	20	22,5	-	15	25	27,5
power supply* [V]	400	400	400	400	400	400	400	400	400	400	400	400
Ventilator												
fan power input [W]	540	810	1080	1350	540	810	1080	1350	810	1080	1350	1620
fan current [A]	2,4	3,6	4,8	6,0	2,4	3,6	4,8	6,0	3,6	4,8	6,0	7,2
fan voltage [V]	230	230	230	230	230	230	230	230	230	230	230	230
Control type cold, hot water and electro heated air curtain	ECON, DITRONIC TOUCH											
Degree of protection	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22
Noise level dB (A)	52	53	55	56	55	58	61	63	59	62	62	65
Weight [kg]	43	65	83	108	44	67	85	110	45	69	86	111

Technical data „NN“	THCP 100-4-Lix NN Light	THCP 150-4-Lix NN Light	THCP 200-4-Lix NN Light	THCP 250-4-Lix NN Light	THCP 100-4-Li0 NN Light	THCP 150-4-Li0 NN Light	THCP 200-4-Li0 NN Light	THCP 250-4-Li0 NN Light	THCP 100-4-Li1 NN Light	THCP 150-4-Li1 NN Light	THCP 200-4-Li1 NN Light	THCP 250-4-Li1 NN Light
Air- handling capacity [m³/h]	1560	2350	3200	4100	2020	3100	4200	5250	2650	3925	5050	6150
Hot water heater (water 70/50/18°C)												
i=18°C capacity [kW]	12,8	21,6	30,2	38,6	15,0	25,8	36,0	45,2	17,7	29,8	40,3	49,9
pressure loss [kPa]	3,4	6,9	6,8	5,1	4,5	9,5	9,3	6,8	5,9	12,4	11,5	8,1
flow volume rate [m³/h]	0,54	0,9	1,29	1,66	0,61	1,08	1,51	1,91	0,76	1,26	1,73	2,12
Hot water heater (water 60/40/18°C)												
i=18°C capacity [kW]	9,3	15,9	22,3	28,5	10,8	18,9	26,5	33,2	12,7	21,8	29,6	36,5
pressure loss [kPa]	1,9	4,2	4,1	3,1	2,6	5,7	5,6	4,0	3,4	7,3	6,8	4,8
flow volume rate [m³/h]	0,39	0,68	0,94	1,19	0,43	0,79	1,11	1,40	0,54	0,9	1,26	1,55
Connection	20	20	20	20	20	20	20	20	20	20	20	20
Ventilator												
fan power input [W]	540	810	1080	1350	540	810	1080	1350	810	1080	1350	1620
fan current [A]	2,4	3,6	4,8	6,0	2,4	3,6	4,8	6,0	3,6	4,8	6,0	7,2
fan voltage [V]	230	230	230	230	230	230	230	230	230	230	230	230
Control type cold, hot water and electro heated air curtain	ECON, DITRONIC TOUCH											
Degree of protection	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22
Noise level dB (A)	52	53	55	56	55	58	61	63	59	62	62	65
Weight [kg]	44	66	85	110	45	68	87	112	47	71	88	113

**) Heaters with modified or higher capacities are available on request

High capacity fans with inbuilt overload protection.



EU2 grade air filter is installed with hot water air curtains.

