

Control Cabinet

SUR-P

for ultrasonic control
of all AIRWIN ultrasonic humidifiers



The AIRWIN® SUR/P control cabinets are designed for control, operation and supervision of all AIRWIN® ultrasonic humidification systems. Due to their manifold equipment variations they can be used for numerous humidification tasks. They are completely wired and therefore ready to be connected. Connection is easy and does not require any particular installation.

SUR-P: Control cabinet with continuous control. Proportional control at the microprocessor controller BO-CT1. Due to highly integrated technology (SMD technology), mask programmable CPU, multi-layer technology etc.) the microprocessor continuous controller BO-CT1 has an extremely high functional variety and operational reliability. Control response with self-optimisation, the kind of control exit, detecting element and control range, kind and function of alarm contacts are user-programmable.

The SUR-P control cabinets are also available with power transformers for the AIRWIN® humidifiers of the rating classes 500VA, 1000VA and 1600VA.

DELIVERY RANGE

The manifold equipment varieties are subdivided into special combinations. The delivery volume of the b-combination includes the duct humidity transmitter with wall cabinet. The room humidity transmitter is part of the a-combination. The technical specifications and features and accessories of the individual components can be found in the respective brochures.

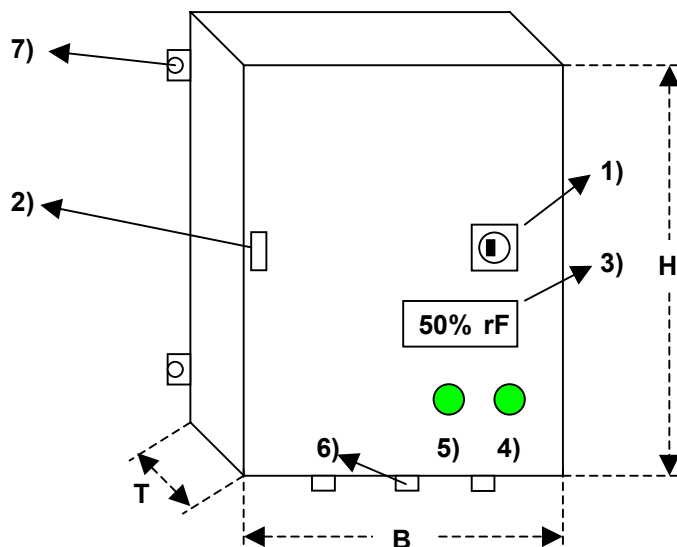
without built-in power transformer for the AIRWIN® humidifiers (dimension table 1)

item-no.	combination	Humidity transmitter		controller	Control signal amplifier	weight kg
		duct BO-FK80J	room BO-FK120J	CT1	CSA	
60 020 00	4a	--	X	X	--	12,0
60 021 00	4b	X	--	X	--	12,1
60 030 00	5a	--	X	X	X	12,2
60 031 00	5b	X	--	X	X	12,3

with built-in power transformer for the AIRWIN® humidifiers

power	500VA	dim. table	weight	1000VA	dim. table	weight	1600VA	dim. table	weight
combination	Item no.		kg	Item no.		kg	Item no.		kg
4a	60 120 05	1	19,0	60 120 10	2	32,5	60 120 16	2	42,0
4b	60 121 05	1	19,2	60 121 10	2	32,7	60 121 16	2	42,2
5a	60 130 05	1	19,2	60 130 10	2	32,7	60 130 16	2	42,2
5b	60 131 05	1	19,3	60 131 10	2	32,8	60 131 16	2	42,3

DIMENSION TABLE



- 1) ON/OFF switch
- 2) two-way lock
- 3) microprocessor-controller
hygrostat/continuous
- 4) pilot light 220V
- 5) pilot light 48V
- 6) PG-screws
- 7) wall brackets

dim. table		1	2
height H	mm	400	600
width B	mm	300	400
depth T	mm	200	250

CONTROL OUTPUT

Electrical output of the control signals of the SUR-P control cabinets is not unlimited. Depending on the power input of the humidifier control inputs, only a restricted number of humidifiers can be connected directly.

combi- nation	control	RB/P; RBP-D		UB/P8; UB/P-D8		N-KBD		UB1...4	
		current	voltage	current	voltage	current	voltage	current	voltage
4a	continuous	1	3	1	3	1	3	1	3
4b	continuous	1	3	1	3	1	3	1	3
5a	continuous	10	40	10	40	10	40	10	40
5b	continuous	10	40	10	40	10	40	10	40

CONSTRUCTION

The control cabinets are made of sheet metal. The surface is powder-coated, colour RAL 7032 (pebble-grey).

The control cabinets are mounted to the wall with wall brackets made of stainless steel which are screwed to the rear wall of the control cabinets. The control cabinets are completely wired and final tests were made in the factory. Penetration of external power and control cables is done at PG screwings which were mounted in the factory already, connection is effected at the marked terminals.

SPECIAL CONSTRUCTIONS

The described delivery range of control cabinets SUR-P does not meet all application requirements. For special applications, we build control cabinets according to our customers' requirements and which are specially designed for the required application and the desired comfort.



Subject to technical modifications... 05.2005

Distribution and Service