

Legend wiring diagram Condair ME Control

A1	Driver board
A2	Control board
B1	Ventilation interlock
B2	Max. humidity monitor
B3	Air flow monitor
B4	Temperature and conductivity measuring
B5	Sensor temperature and conductivity measuring
B6	Level sensor dosing pump (option)
B7	Demand or humidity/temperature signal
B8	External On/Off switch (external enable)
B9	Air temperature monitoring duct (option)
BAT	Backup battery (CR2032, 3V)
CS	Current sensor (UV lamp)
D.LVL	Terminal level switch dosing liquid tank
D.PUMP	Terminal dosing pump
F1	Internal fuse mains supply (1 A slow acting)
F2	Fuse 10/24 VDC supply(630 mA slow acting)
F3	Internal fuse mains supply (6.3 A fast acting)
F4	External fuse mains supply (10 A slow acting)
H1	Remote operating and fault indication board (option)
J1	Cable bridge if no external On/Off switch is connected
J2	Cable bridge demand signal (for commissioning only)
J3	Cable bridge if no safety chain is connected
JP4	Jumper fitted= 24 V on X16 (JP5 removed)
JP5	Jumper fitted= = 10 V on X16 (JP4 removed)
JP/TR	Jumper fitted on the last driver board
K1	External safety chain
K2	Cable harness from hydraulic module
LS1	Leakage monitoring board (option)
LS2	Sensor leakage monitoring (option)
M1	Dosing pump (option)
NF	Mains filter
Q	Electrical isolator
S1	Humidification On/Off switch
S3	On/Off switch control unit
SD	Memory card
SF	Snap ferrite (wrap cable 3 times through ferrite)
SUPPLY	Terminal mains supply voltage
T1..T3	24V power supply (T3 for systems with 4 or 5 stages only)
UV	UV lamp (option)
U.V.	Terminal UV lamp
X4	Terminal cable harness hydraulic module

4.6.3 Installation work

Note: for the connection of the available options please refer to the installation and operation manual of the corresponding option.

Control signal (Y)	
<p>Note: the control settings must be done via the control software of the Condair ME Control. Please refer to the operation manual of the Condair ME Control.</p>	
	<p>External continuous humidity or temperature controller</p> <p>An external continuous humidity or temperature controller is to be connected to the contacts “HUM” (+) and “GND” (-) of the terminal block “X16” on the driver board in accordance with the wiring diagram. The admissible signal values can be found in the technical data table in the operation manual. The connecting cable must either be led across the rectangular cable lead-through or a free cable gland into the control unit.</p> <p>Note: If 24V supply is used for the external controller Jumper “JP4: 24V” must be set and Jumper “JP5: 10V” must be removed.</p> <p>The shielding of the control signal must be connected to terminal “GND”.</p> <p>Caution! If the shielding of the control signal is already connected to a potential or a grounded conductor, do not connect it to terminal “GND”.</p>
	<p>Humidity sensor</p> <p>A humidity sensor is to be connected to the contacts “HUM” (+) and “GND” (-) of the terminal block “X16” on the driver board. The admissible signal values can be found in the technical data table in the operation manual. The connecting cable must either be led across the rectangular cable lead-through or a free cable gland into the control unit.</p> <p>Note: If 24V supply is used for the external controller Jumper “JP4: 24V” must be set and Jumper “JP5: 10V” must be removed.</p> <p>The shielding of the control signal must be connected to terminal “GND”.</p> <p>Caution! If the shielding of the control signal is already connected to a potential or a grounded conductor, do not connect it to terminal “GND”.</p>