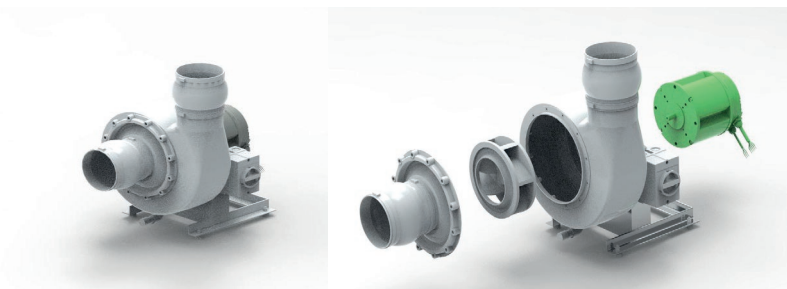


Wiring diagram for  
EC-motors with  
alternating current /  
single-phase motors



## Power and control cable connection

+ Control cable			
Item	Fuction	Wire color	Note
1	Speed output	White	3 puls per rev
2	Start/Stop	Red	Start: Red+Yellow
3	DC 12V output	Yellow	
4	DC 0-10V input	Blue	Speed control
5	COM	Black	
6	CW/CCW	Brown	Brown (not connected) = CW; Brown + Yellow + Red = CCW
7	RS485 B	Gray	
8	RS485 A	Green	

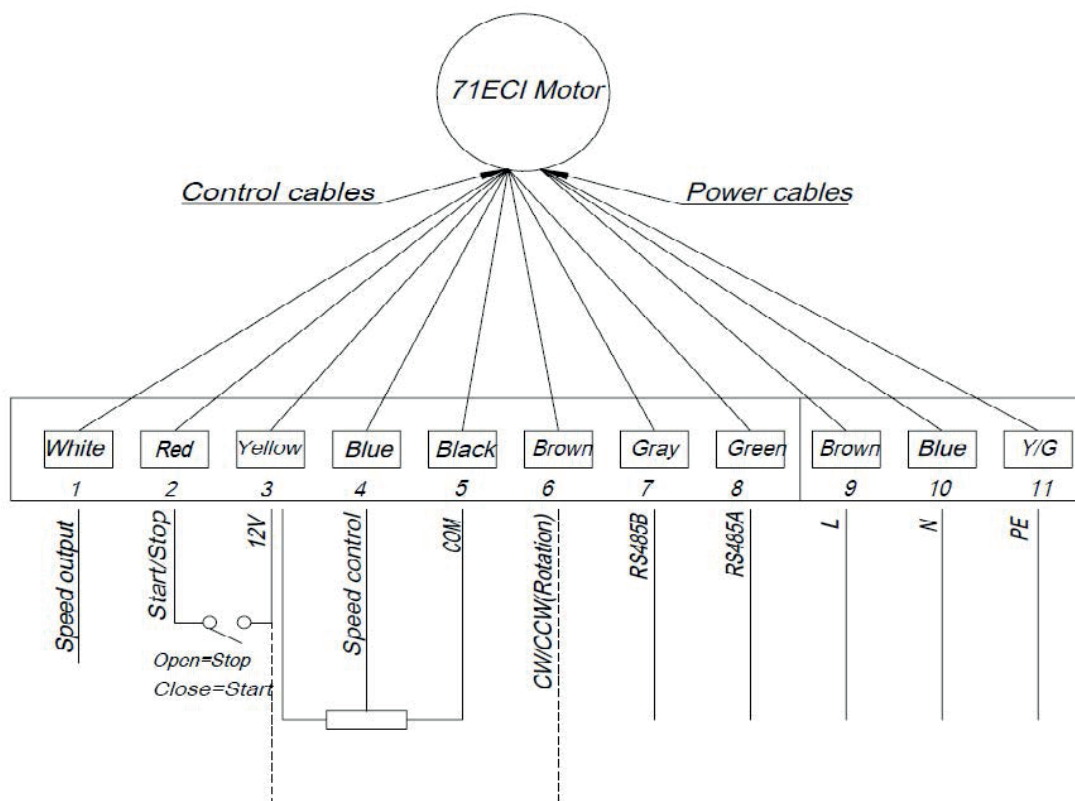
  

+ Power cable		
Item	Fuction	Wire color
9	L	Brown
10	N	Blue
11	PE	Yellow/Green

1. Connection only by trained and qualified electrician.
2. Before installation, check motor and motor connecting cable for damage.
3. Tighten the cable glands firmly, withdrawal of the cable must not be possible.
4. Connect the conductors to the repair switch according to the pin allocation table, **note the information given on the motor type label.**
5. The conductors must be put on correctly without squeezing or distortion in the repair switch.
6. The maximum cable length between potentiometer and EC motor is approximately 15 m .
7. The motor can be connected either via the control cable or via Modbus.



# Wiring diagram Techtop ADDA 0,45 kW EC-Motor



- Pos. 1 - 8 = Control cables
- Connection to potentiometer or pressure transmitter
- Standard = CW;  
for CCW: connect the brown cable with the yellow and red cables.

ECHTOP <sup>®</sup> MOTOR		CE	
Serial n° :	XXXXXXXX-XXX		
Model or type :	T71ECI01V36C1B5S1		
Voltage/frequency/phase :	200-277V, 50/60Hz, 1PH		
Rate torque and speed :	3.2N.m, 600-3600rpm		
Nominal power and current :	0.45kW, 3.6A		
Efficiency:	87%@3600rpm IE5		
S1	IP55	F/B Class	-25 - 40°C
<b>Power terminal and cable</b>		<b>Control terminal and cable</b>	
Line: Brown		Speed output: White	
Neutral: Blue		On/Off: Red	
PE: Yellow/Green		12VDC output: Yellow	
PTC: Blue/Blue		0-10VDC input: Blue	
ON/OFF Control: Red+ Yellow		Common: Black	
CW/CCW Control: Yellow+Brown		Modbus: A-Green, B-Grey	
Imported by TECHTOP ADDA MOTOR GmbH			
Kronbergerstr.16 D-63110 Rodgau			