



STVS4

3*400 V transformer controller with analog control

The STVS4 transformer speed controllers are based on the principle of voltage control with autotransformers. They are applicable to voltage-controllable motors (400 V, 50/60 Hz) to control the rotational speed (of fans, pumps, etc.).

By combining the transformer outputs, contactors and a relay board, it is possible to select these predetermined speeds with a 0-10 VDC signal, for example: combine with MTP, MTV. They are fitted out with TK contacts for thermal motor protection.

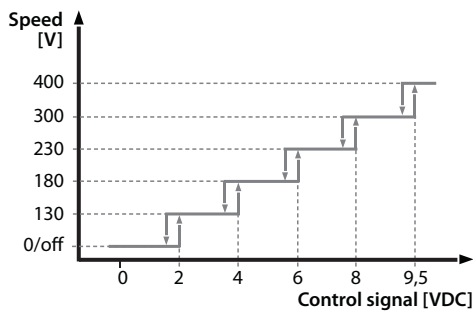
When choosing a controller it is important to know the maximum current intensity consumption on the taps. The indicated maximum current can be taken from each tap.

FEATURES

- 400 VAC - 50/60 Hz
- Enclosure: sheet steel (RAL 7035, polyester powder coating), IP54
- Control signal input: 0-10 VDC
- Supply: 12 VDC output
- Power/control: galvanic separated
- Several voltage ranges possible
- Motor protection, by connecting thermal (overheating) contacts of the motor
- Indicator lights: run/fault
- Current fuse (PCB)
- 230 V unregulated output
- Ready mounted cable glands
- Maximal ambient temperature: 35 °C

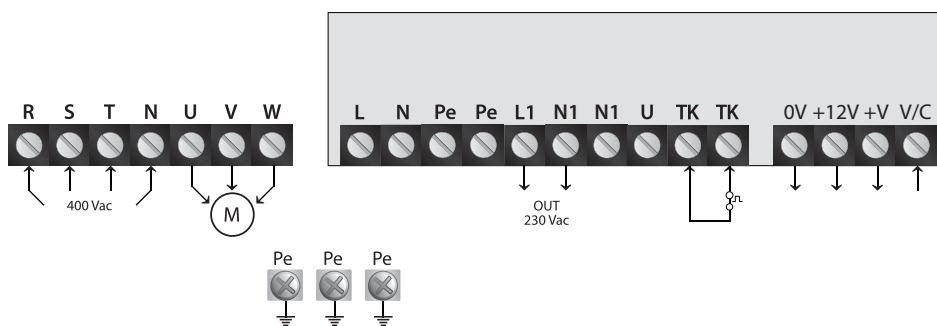
	I _{max}
STVS4-15L40	1.5 A
STVS4-25L40	2.5 A
STVS4-40L40	4.0 A
STVS4-60L40	6.0 A
STVS4-80L40	8.0 A
STVS4110L40	11 A

OPERATION



- Going up: speed goes up at: 2, 4, 6, 8, 9.5 VDC
- Going down: speed goes down at: 1.8, 3.8, 5.8, 7.8, 9.3 VDC

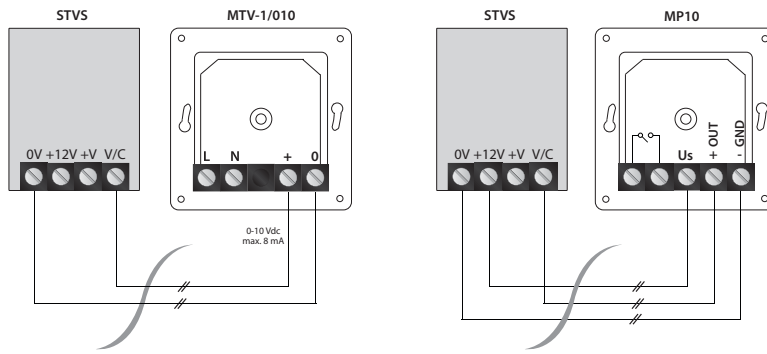
WIRING DIAGRAM



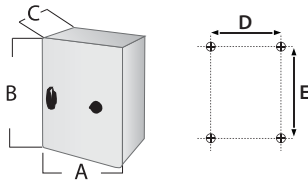
R S T	power supply 400 VAC - 50/60 Hz	
L1 N	unregulated output 230 VAC (max 2 A)	
U V W	motor connection	
TK	input thermal contacts of the motor	
0V	GND	
+12V	output 12 VDC/I _{max} = 50 mA*	* The sum of the current for both outputs (+12V and +V) may not be greater than 100 mA!
+V	digital output 12 VDC/I _{max} = 50 mA* 0 V = TK fault 12 V = normal operation	
V/C	input U: 0-10 VDC	
Pe	earth connections	

APPLICATION EXAMPLES

An MTV-1/010 or an MTP10 potentiometer can be used to control the STVS.



DIMENSIONS & FIXING



	A	B	C	D	E	weight
STVS4-15L40	300	425	170	255	355	15.9 kg
STVS4-25L40	300	425	170	255	355	17.0 kg
STVS4-40L40	400	425	200	355	355	20.0 kg
STVS4-60L40	400	425	200	355	355	27.0 kg
STVS4-80L40	400	425	200	355	355	30.0 kg
STVS4110L40	400	430	200	355	355	39.0 kg