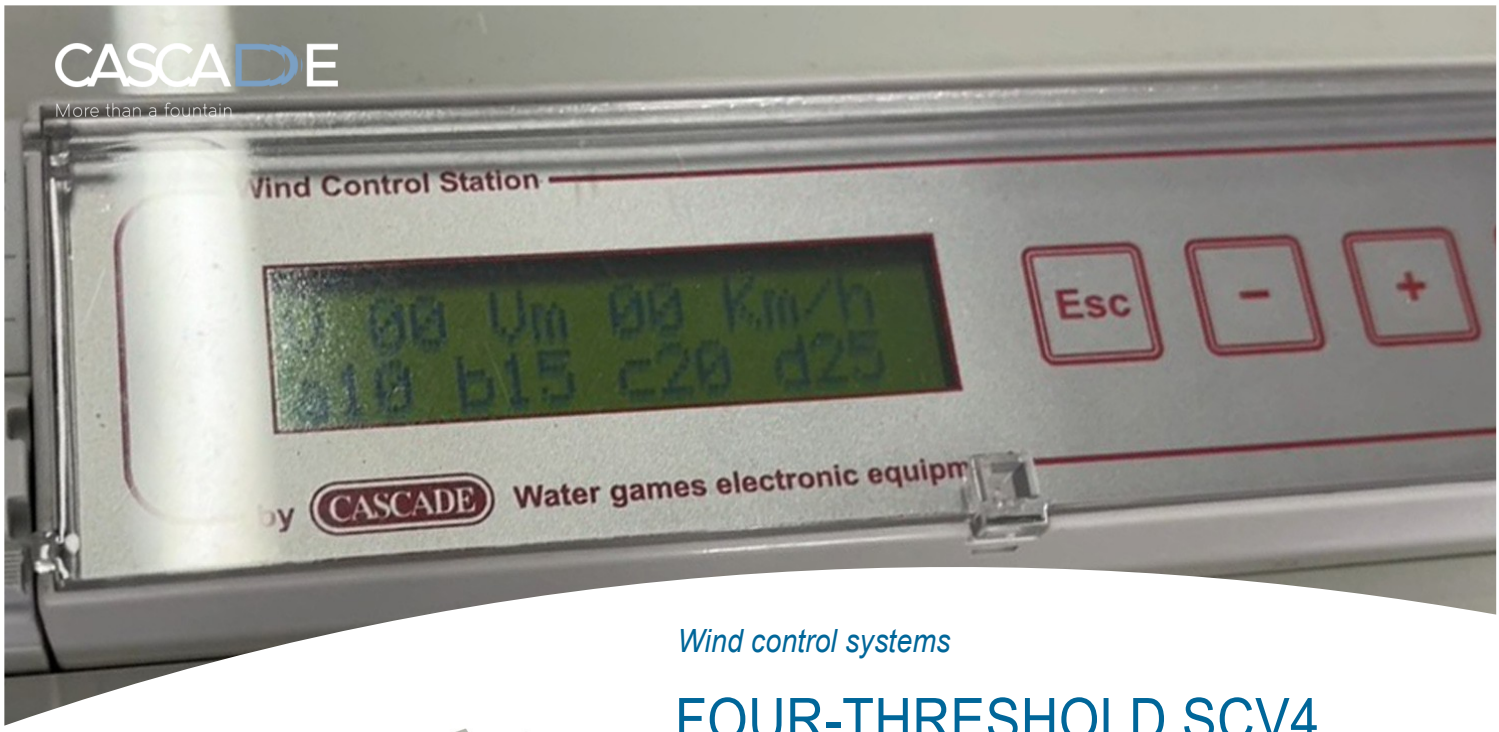


Wind control systems

FOUR-THRESHOLD SCV4 WIND CONTROL STATION



4 THRESHOLDS | **230 Vac** | **RELAY OUTPUTS**

- Four-threshold functioning
- Programmable settings
- Relay outputs

Digital anemometer with four thresholds, which can be set by the user directly on the installation site.

It is possible to manage the four thresholds both with an ON / OFF control and in combination with variable speed drives in order to reduce the height of the jets according to the wind speed.

The control system consists of:

- Anemometric sensor;
- Control unit;

WORKING MODE

The sensor detects the speed of the wind and transmits it to the control unit. When the current wind value reaches a threshold, the corresponding output changes state by closing the contact or vice versa depending on the set “output logic”.

The logic of the outputs establishes, for each output, whether the output contact closes or opens when a threshold is reached.

It is possible to modify the sensitivity and behavior of the system for each threshold independently, according to the intensity of the wind, by programming the control unit. The adjustment range is between 0 and 99 Km/h.

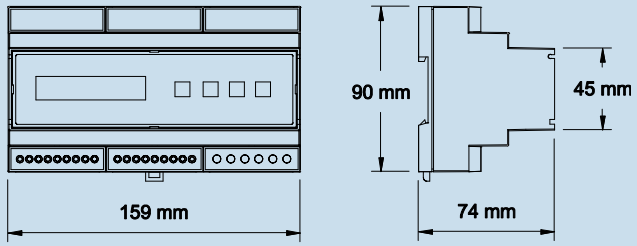
It is also possible to fine-tune the control unit based on the type of sensor used.

In combination with the DMX-PWM4 Converter device, through the outputs it is possible to control the height of the water jets in real time while maintaining the DMX programming of the fountain, based on the wind speed.

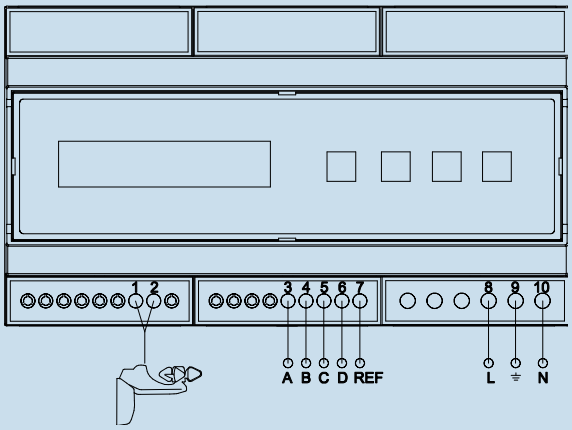
The sensor cable must have a dedicated channel, i.e. it must not be coupled with other cables.

The distance of the sensor from the control unit must not exceed 30 m.

DIMENSIONS



APPLICATION



		FOUR-THRESHOLD WIND CONTROL STATION
CODE		SCV4
TEMINALS REFERENCES	1	Wind sensor +
	2	Wind sensor -
	3	Out A - N.O. contact
	4	Out B - N.O. contact
	5	Out C - N.O. contact
	6	Out D - N.O. contact
	7	Outputs reference
	8	Power supply 230 Vac - L
	9	Power supply 230 Vac - Earth ground
	10	Power supply 230 Vac - N

		MINIMUM	TYPICAL	MAXIMUM
SUPPLY VOLTAGE	V_{RMS}	180	230	250
POWER REQUIRED	VA		4	
OUTPUT VOLTAGE PER CHANNEL (CONTACT N.O.)	$V_{DC/AC}$	0		250
OUTPUT CURRENT PER CHANNEL (CONTACT N.O.)	mA_{DC}	0		100
SENSOR'S INPUT VOLTAGE	V_{DC}	7,5	10	24
SENSOR'S INPUT CURRENT	mA	3	5	10
WORKING TEMPERATURE	°C	0		60
STOCKING TEMPERATURE	°C	-20		100
FUSE (INTERNAL)	mA_{RMS}	50	50	50
DIMENSIONS	mm	159x90x74 (LxHxP) 9 Modules DIN (DIN 43880)		
WEIGHT	gr	450		
CASE MATERIAL		Noryl UL 94 V-0		
SUPPLY TERMINALS		500V - step 7,5mm - 2,5mm^2 (14 AWG)		
INPUT/OUTPUT TERMINALS		250V - step 5mm - 2,5mm^2 (14 AWG)		