

CP79v2.0

Universal Pulse Stretcher Card

This is a handy timer card, which can be used in many access control applications. A trigger input will latch the output for a variable time.

Typical applications include: activating a continuous door strike, releasing a magnetic lock, driving on a cooling fan, pillar lights, alarm etc.

The CP79V2.0 supports 8 permutations of input triggers which will activate the output of timer card as described in the table overleaf. Added to this the input trigger can be set to "debounce" whereby the output will only activate if an input trigger has been present for at least one second.

The output is potential free, either normally open or closed. Four time ranges are selectable by dipswitches. The time is variable within each range using a potentiometer provided on the card.

Finally a reset input can be used to clear the output at any time.

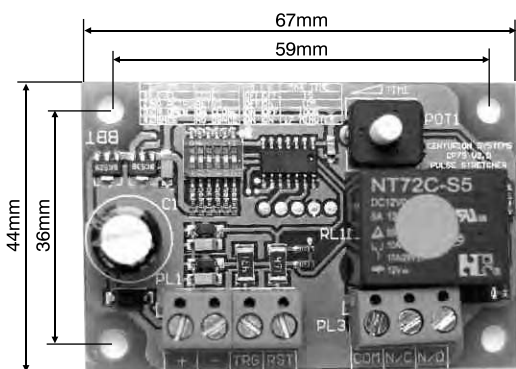
The CP79 v2.0 Universal Pulse Stretcher has 6 dip switches which may be configured according to the following table:

SWITCH	FEATURES	
1	On = Level triggered	Off = Edge triggered
2	On = Not retriggerable	Off = Retriggerable
3	On = Trigger on open	Off = Trigger on close
4	On = Debounce	Off = No debounce

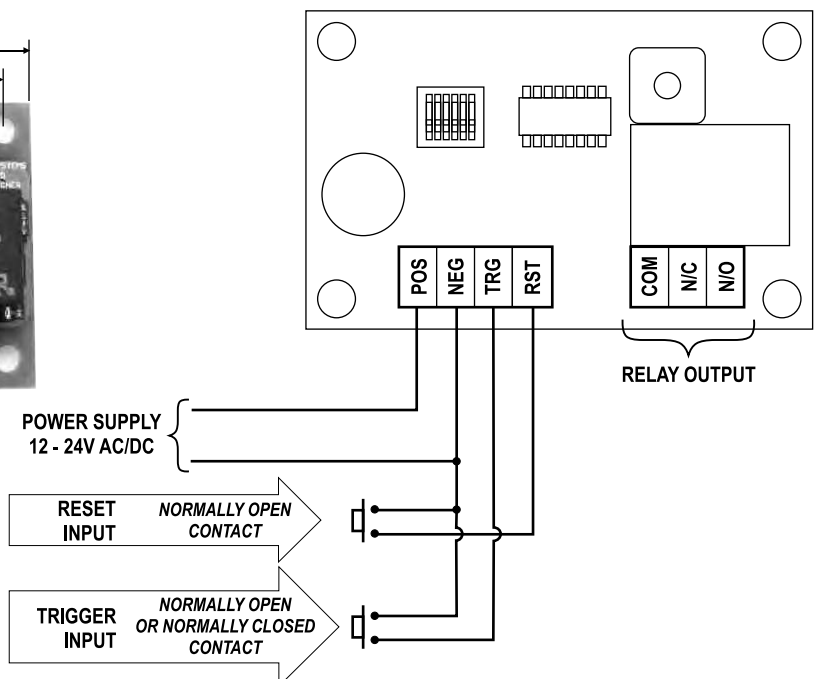
SWITCH	MAXIMUM TIME			
	1Sec	10Sec	100Sec	17Min
5	Off	Off	On	On
6	Off	On	Off	On

The units are designed to operate between 12V and 24V AC/DC. If higher supply voltages are used, consult CENTURION for the necessary modifications.

PHYSICAL DIMENSIONS



Height of card - 16mm



INPUT TRIGGER TYPE	INPUT CONTACT	EDGE/LEVEL	OUTPUT CONTACT
DIPSWITCH - 2	DIPSWITCH - 3	DIPSWITCH - 1	
NON RE-TRIGGERABLE INPUT	NORMALLY OPEN	EDGE	At the moment that the input contact CHANGES from OPEN to CLOSED the output contact will be activated for the period set by the timer.
		LEVEL	At the moment that the input contact CHANGES from OPEN to CLOSED the output contact will be activated for the period set by the timer. However a valid trigger exists while the input contact REMAINS CLOSED . If the output timer reaches its end while there is still a valid trigger, the timer will be reset and the output contact will remain activated for the timer period again. This will continue while there is a valid trigger.
	NORMALLY CLOSED	EDGE	At the moment that the input contact CHANGES from CLOSED to OPEN the output contact will be activated for the period set by the timer.
		LEVEL	At the moment that the input contact CHANGES from CLOSED to OPEN the output contact will be activated for the period set by the timer. However a valid trigger exists while the input contact REMAINS OPEN . If the output timer reaches its end while there is still a valid trigger, the timer will be reset and the output contact will remain activated for the timer period again. This will continue while there is a valid trigger.
RE-TRIGGERABLE INPUT	NORMALLY OPEN	EDGE	At the moment that the input contact CHANGES from OPEN to CLOSED the output contact will be activated for the period set by the timer. If the input contact retriggers while the output contact is activated, it will cause the timer to start counting from zero again.
		LEVEL	At the moment that the input contact CHANGES from OPEN to CLOSED the output contact will be activated for the period set by the timer. However a valid trigger exists while the input contact REMAINS CLOSED . The output timer will remain activated and not start counting while there is still a valid trigger. Only when the valid trigger clears will the timer start counting. The output remains activated during all this time.
	NORMALLY CLOSED	EDGE	At the moment that the input contact CHANGES from CLOSED to OPEN the output contact will be activated for the period set by the timer. If the input contact retriggers while the output contact is activated, it will cause the timer to start counting from zero again.
		LEVEL	At the moment that the input contact CHANGES from CLOSED to OPEN the output contact will be activated for the period set by the timer. However a valid trigger exists while the input contact REMAINS OPEN . The output timer will remain activated and not start counting while there is still a valid trigger. Only when the valid trigger clears will the timer start counting. The output remains activated during all this time.
DEBOUNCE	DIPSWITCH - 4		If debounce is selected, the output will only activate if an input trigger has been present for at least one second.

Manufactured by:

CENTURION SYSTEMS
148 Epsom Avenue, North Riding, Randburg,
SOUTH AFRICA.
Tel: +27(0)11 699-2400 Fax: +27(0)11 704-3412

www.centsys.co.za
email: sales@centsys.co.za
info@centsys.co.za

