



# Solid State Relays

in plastic injection  
molding machines &  
Extruders



solid state relays



The celduc<sup>®</sup> relais SSRs are used :

- ▶ to switch ON/OFF the mold heating system
- ▶ to control hot air dryers for moulds dehumidification
- ▶ to control the pre-heating time process of the plastic material and/or of the mold
- ▶ to control water-chiller system

*celduc<sup>®</sup> relais SSRs are the right choice for  
accurate and long life time  
temperature control*

[www.celduc-relais.com](http://www.celduc-relais.com)  
MADE IN FRANCE



# Solid State Relays in plastic injection molding machines & extruders

celduc® relais offer various SSRs solutions :

## SINGLE PHASE SSRs

**okpac®** Innovation, Performance and Design !



- These ranges are designed for all types of loads current from 12 to 125A
- Output voltage from 24 to 690VAC (600V-1200V-1600V peak)
- TMS<sup>2</sup> technology 4th generation with very long life time expectancy

**celpac®** <sup>2G</sup> The 22,5mm pitch SSR solution !

SA range

SU range



celduc® relais offers 2 optional modules pluggable on our SU / SUL :



- ESUC : Current monitoring module
- ECOM : Temperature controller, current monitor and communication interface in one unit

Save room, save costs, add functions !

## TWO PHASE SSRs

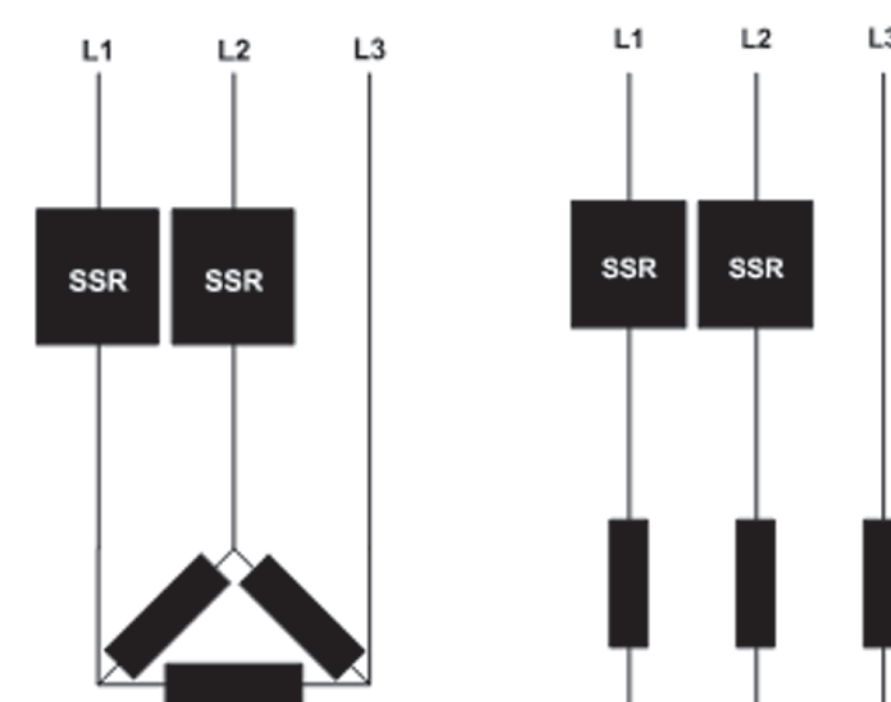
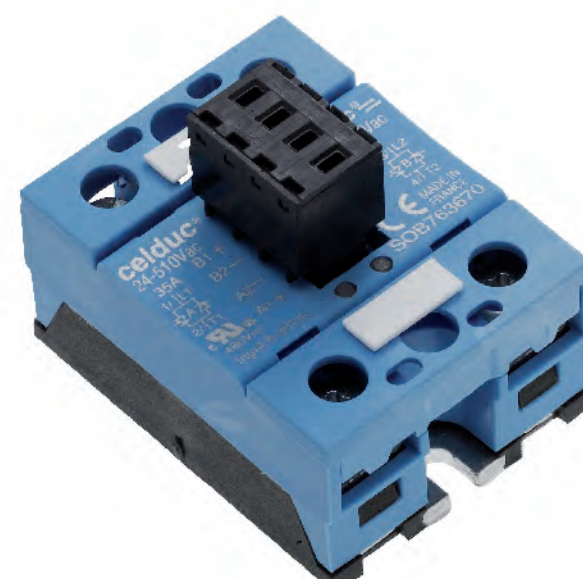
The dual solid state relays have been designed to have 2 single phase relays in one housing (compact size) and are perfectly adapted to three phase applications with breaking of two phase only.



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Cost-effective & compact solution !

## THREE PHASE SSRs

Various models are available, with ratings up to 125 amps per phase, with either AC or DC input, random or zero-cross output.

SGT range



SVT range  
(IP20 protection)

## PHASE ANGLE CONTROLLERS

SO3 (Burst control mode), SO4 (New generation of proportional controllers) and SG4 (Phase angle controller) are used in PET blow-molding machines to drive the Infra red lamps on each side of the preform track.



All our technical data-sheets are available in our website [www.celduc-relais.com](http://www.celduc-relais.com)