

SSD Documentation

SSD Interlocks

Version Number : 1

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## SSD - INTERLOCKS

## 1. DEVICES

### *1.1 Caen power supplies.*

The Caen SY527 mainframe has an "INTERLOCK IN" input which allows to switch off simultaneously all the channels. It can be activated in two ways depending on the position of the two-position lever switch (CONTACT OPEN/CLOSED) located near the interlock input. In our case, this switch is in position "CONTACT OPEN", meaning that the channels are switched off if the ground connection in the "INTERLOCK IN" input is removed.

### *1.2 Readout Boards Power supply.*

The JWS300-12 (Lambda) power supply has a remote control (on/off) input. The power supply is switched off if the contact between the "TOG" and "CNT" inputs is open.

### *1.3 Electro-valves.*

The two electro-valves, controlling the air flow input, are controlled by a 24V signal. The interlocks system is able to cut the 24 V supply for the electro-valves.

## 2. SCHEMA

