

PSSR/2 Control Unit



Features

- Cat 3 PLd SIL2
- End-of-line resistor monitoring
- DIN rail mounted
- 24V d.c. supply voltage
- Manual or auto reset
- Self-monitoring
- 3 output contacts

The PSSR/2 control unit is designed to be used in conjunction with Tapeswitch pressure sensitive sensors to form a complete safety system. Sensors may take the form of safety mats, sensing edges, ribbon switches or bumpers but must incorporate an integral 6k8 end-of-line resistor (/SLR/ and /6k8 in the order code)

When the PSSR/2 is used with suitable Tapeswitch sensing edges or mats the system meets the requirements of EN13849-1:2006 PLd, EN62061 SIL2 and is a Category 3 configuration. It is an extremely compact unit which has a 22.5mm DIN rail enclosure ideal for mounting in control panels. The PSSR/2 has a manual or auto reset function and operates from 24V d.c.

Technical Specification

Safety Performance (incl. Sensors)	Cat3 PLd SIL2
Probability of dangerous failures per hour (PFHd)	1.03×10^{-7}
Power consumption	<5VA
Response Time	13ms
Temperature Range	-10C to +55C
Reset Function	Auto or Manual
Supply Voltage	24V dc
Safety Outputs:	
Device Type	Safety relay
Contacts	Force guided relays 2 x normally open (safety) 1 x normally closed (monitor)
Rating	5A @ 240Vac
Maximum Sensor Length	100m
Enclosure Protection Rating	IP20

Dimensions

