

PSSU Safety Controllers (Safety Interface Modules)

The **PSSU** series of safety controllers can be used as safety devices for **high-risk** automation and machine control applications. They provide the highest level of safety offered by Tapeswitch, exceeding the requirements of safety category 3 as defined by EN-954-1f, and meeting or exceeding the safety content of the applicable OSHA, ANSI, and RIA Standards for safety interface modules..

PSSU safety controllers have redundant safety output relays, are self-monitoring, and are rated Control Reliable, which means that any fault in the safety-critical components will be detected and the machine will be rendered inoperative until the fault is corrected.

These safety controllers are designed to be used with Tapeswitch low-voltage sensors such as ribbon switches, safety mats, sensing edges, or sensing bumpers. PSSU safety interface modules are available in wall-mounted and DIN rail-mounted versions. Other options include 24 Vdc or 110/220 Vac operation and choice of manual or auto reset.



**DIN Rail Mounted
PSSU/1, PSSU/2**



**Wall Mounted
PSSU/3, PSSU/4**



**DIN Rail Mounted
PSSU/A, PSSU/A2**

Features & Benefits

- Suitable for high-risk automation and machine control
- Self-monitoring design detects faults anywhere in the safety system components
- Meets or exceeds OSHA, ANSI, & RIA safety standards for safety interface modules
- Automatic and manual reset versions
- Wall mounting or DIN rail mounting models

Technical Specifications for PSSU Safety Controllers

(Click on model number to see technical manual)

MODEL	PSSU/1	PSSU/2	PSSU/3	PSSU/4	PSSU/A	PSSU/A2
Supply Voltage	110/240 VAC 50/60 Hz	24 VDC	110/240 VAC 50/60 Hz	24 VDC	110/240 VAC 50/60 Hz	24 VDC
Mounting	DIN Rail Mounting		Wall Mounting		DIN Rail Mounting	
Reset Mode	Manual (Remote)				Auto Reset	
Output Relay	2 x Safety Relays (force-guided contacts), Cross-monitored					
Output Contact Rating	6 A @ 240 V, Resistive, Non-Inductive					
Applications	Medium to High Risk Safety (Level of Risk Determined by Sensor)					
Safety Standard	Up to Level 2: DIN 31006-1, Level 2.2: DIN 31006, Category 3: prEN 954-1 Control Reliable, Self-monitoring, UL and cUL listed					