

Fail Freeze for SRI986 and SRI990



The Fail Freeze relay block is made of a PS953-210 and a Piezo Valve.

The PS953-210 is a Lock-In relay and locks the 2 outputs in case the air supply pressure fall below a certain value.

In case of electrical power failed the Piezo Valve vent the port of air supply of the Lock-In Relay and like this locks the 2 outputs.

Fail Freeze characteristics:

	SRI990	SRI986
Wiring		
Type of wiring	2 wires in series	2 wires in series
Impedance		
Impedance at 4mA	11,8 VDC	7,6 VDC
Impedance at 20mA	15,3 VDC	14,7 VDC
Pneumatic Failure		
Lost of air supply	Freezing OK (<1% deviation)	Freezing OK (<1% deviation)
Air supply again	No movement	No movement
Electrical Failure		
Lost of Electrical Power	Freezing OK (<1% deviation)	Freezing OK (<1% deviation)
Electrical Power again	Small movement : lost of air for less than 1 second and go to setpoint	No movement
Freezing performance		
Lost of position after 5 minutes	0%	
Lost of position after 1 hour	0%	
Lost of position after 1 week	1%	

Performance measured onto a 20 mm stroke single acting valve.

These values are only informative and cannot be taken as a commitment from our side!