

Reliable®

Model B-SI Air Compressor Panel Supervisory Pressure Maintenance Equipment

cULus Listed, FM Approved

Features

- Self-contained air supply
- System low air indicator
- Relay for remote signal of low air and/or loss of power
- Bypass inlet and valve provided for quick filling system with a separate source
- Cabinet with keyhole slots for easy mounting
- Stainless steel hose connection kit included

Product Description

The Reliable Model B-SI Air Compressor panel provides a self-contained supervisory air supply for single interlock preaction systems. The air source for the Model B-SI is a 115-60-1, 1/16 HP compressor. A System Sensor EPS10-2 pressure switch controls the compressor and monitors the system air pressure. Approximately 7 psi (0.48 bar) of air will keep the pressure switch contacts open and the air compressor off. A drop of approximately 2 psi (0.14 bar) will switch the contacts to the closed position and the compressor will start to replace the air in the system. If the pressure drops approximately 3 psi (.021 bar) the low air signal will activate. The relay provides dry contacts for remote signal of low air pressure or loss of power.

The hose kit (included with panel) provides flexibility to connect the Model B-SI Air Compressor Panel to the system. The hose kit consists of a 1/4" shut-off valve, 1/4" x 72" stainless-steel hose, 1/4" x 1/2" bushing, and 1/2" check valve. The check valve must be installed horizontally at the opening provided for the air supply on the system. The panel is designed with keyhole slots for ease of wall mounting. A quick-fill bypass connection outside the enclosure is provided to reduce system setup time using an auxiliary compressor, if desired.

Caution: The pressure gauge shut-off valve must be closed when using the quick-fill bypass. The quick-fill pressure must not exceed 25 psi (1.7 bar).



Model B-SI (120 VAC) Air Compressor Panel

Dimensions

		Table A
Panel Dim. W x H x D	Mounting Dim. W x H	Shipping Weight
16" x 20" x 6" (406mm x 508mm x 152mm)	14-1/4" x 18-1/4" ø 1/4" Holes (4) (362mm x 464mm)	27 lbs. (12.2 kg.)

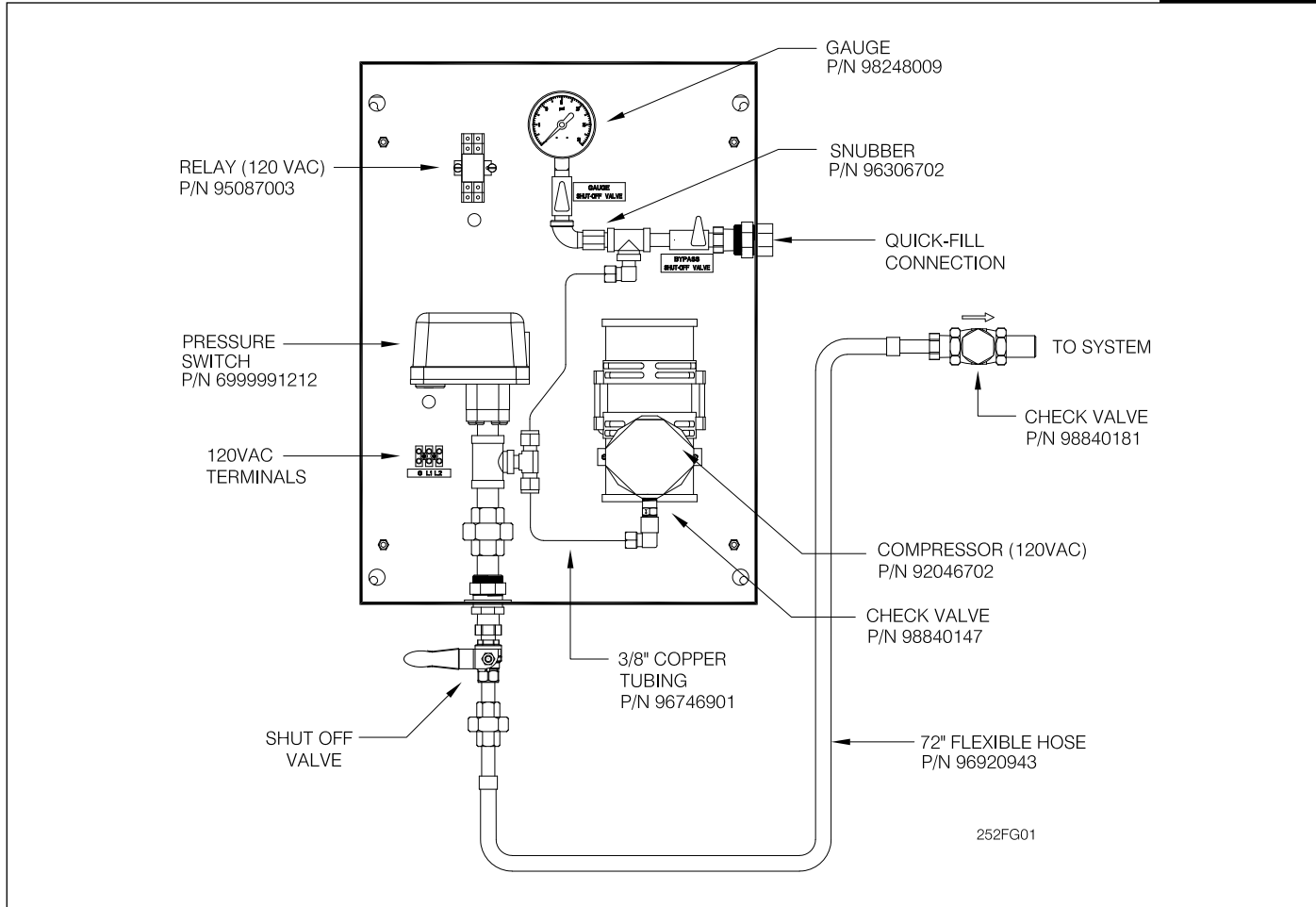
Pressure Switch Settings

Table B

Factory Settings	Approximate Switch Transfer Pressure psi (bar)	
	Increasing Pressure	Decreasing Pressure
Compressor Pressure Switch # 1	7 (0.48)	5 (0.34)
Low Pressure light Pressure Switch #2	5 (0.34)	4 (0.27)

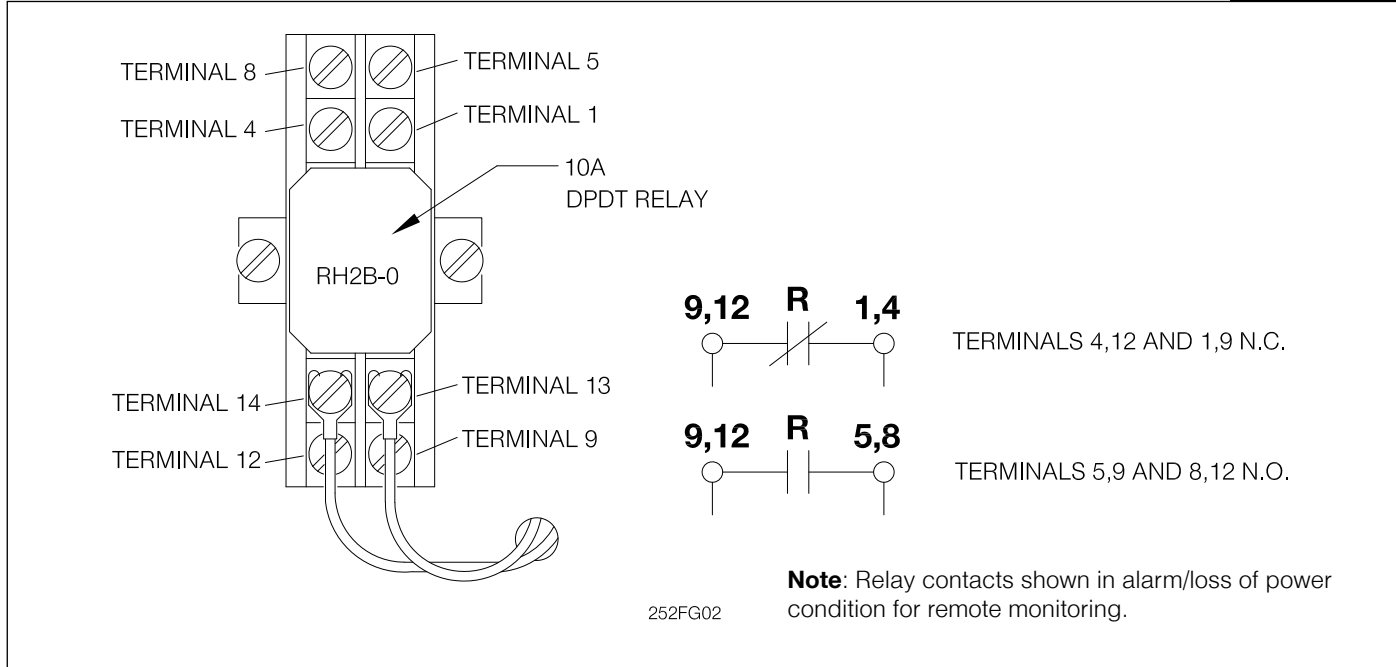
Model B-SI (120VAC) P/N 6702010003 Air Compressor Panels

Figure 1



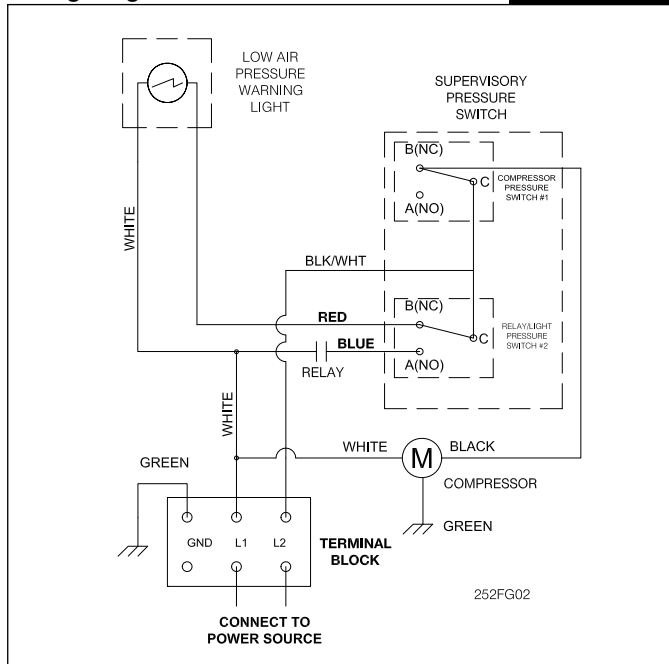
Relay Diagram

Figure 2



Wiring Diagram

Figure 3



Application

The Reliable Model B-SI Air Compressor Panel is designed and listed for use in installations governed by NFPA 13 to provide and supervise the air pressure required for single interlock preaction systems. A 200 gallon system can be filled in approximately 30 minutes. An auxiliary connection is provided for quickly filling larger systems.

The Model B-SI Air Compressor Panel should not be used for dry pilot line pressurization. Refer to manufacturers information for appropriate air supply for dry pilot actuated systems.

Installation

For use in Indoor/Dry locations.

Installation shall be made in accordance with the requirements of NFPA 13 and/or other applicable standards and all authorities having jurisdiction.

Check valve included with hose kit must be installed in the horizontal position.

All electrical work must be performed in accordance with applicable local and national codes.

Maintenance

The owner is responsible for maintaining all parts of the fire protection system in proper operating condition. Any system maintenance or testing that involves placing a system component out of service may eliminate the fire protection that is provided by the fire protection system.

The Reliable Model B-SI Air Compressor Panel shall periodically be given a thorough inspection and test. NFPA 25, "Inspection, Testing, and Maintenance of Water Based Fire Protection Systems," provides minimum maintenance requirements. System components shall be tested, operated, cleaned and inspected at least annually and parts replaced as required.

Approvals

- cULus Listed (VIOT.EX2539, Air Pressure Maintenance Devices, Automatic)
- FM Approved

Guarantee

For Reliable Automatic Sprinkler Co., Inc. guarantee, terms, and conditions, visit www.reliablesprinkler.com.

Ordering Information

Specify:

- **Model B-SI Air Compressor Panel** (P/N 6702010003)