

JBL Annunciator 16

Introduction

The Annunciator 16 is a fault detection device to be used with a compressor or engine “switch gauge”.

Upon detecting a fault the Annunciator will display the cause and enable its output.

Operational States

The Annunciator contains four modes:

- Lockout
- Normal
- Faulted
- Test

Locked:

Once either reset or power cycled the Annunciator will enter the lockout mode.

In lockout mode the first four inputs will not trigger a fault. If a fault is triggered then the Annunciator will display the fault then enter the faulted state. The Annunciator will stay in the Lockout mode for the time set on the rotary switch. The rotary switch sets the lockout time in minutes (1-9); 0 is reserved for test (see below).

Normal:

After the lockout time the Annunciator will enter the normal state. While in the normal state the Annunciator will wait for a fault on any of the inputs. When an input faults the Annunciator will display the fault then enter the faulted state.

Faulted:

While in the faulted state the Annunciator will continue to display the fault.

The only way to exit the faulted state is to press the reset button.

While faulted, the Annunciator will pull the Load pin to ground.

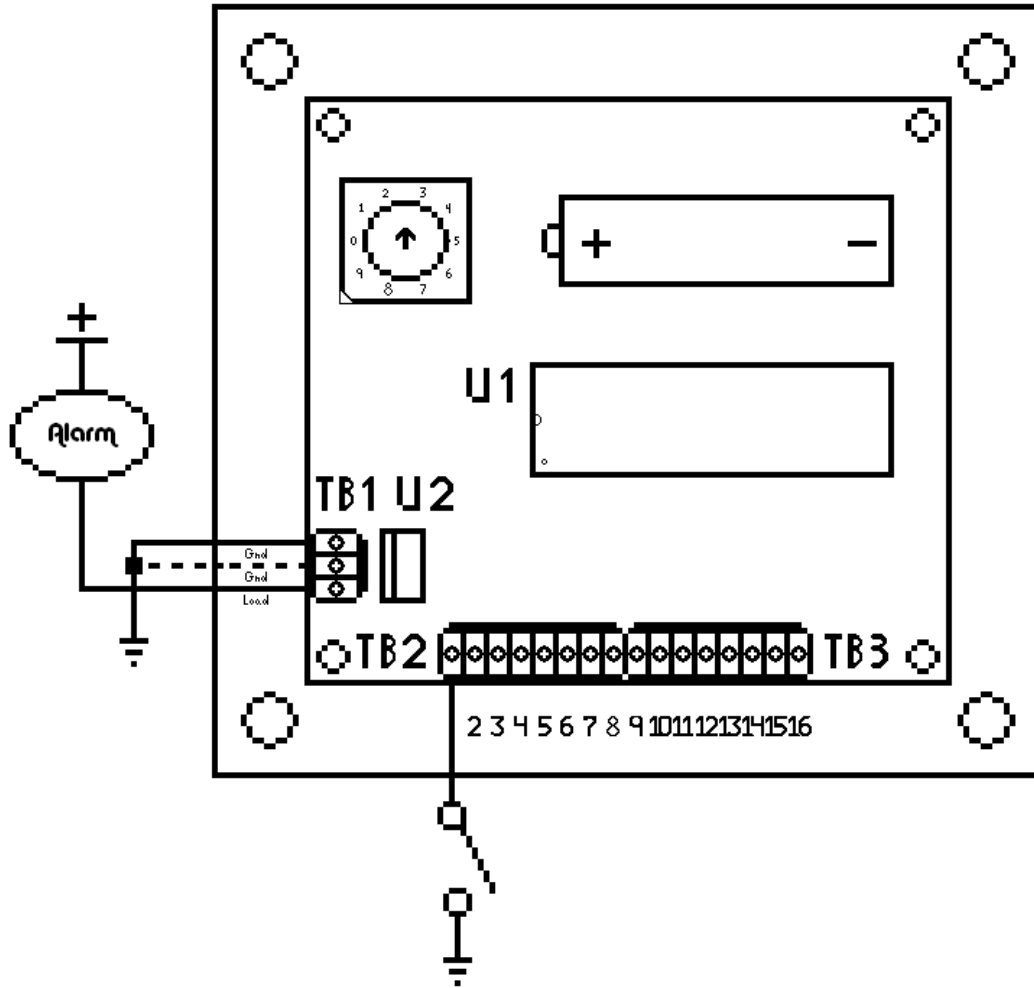
The Load pin can pull down a max of 2 Amps @ 48 Volts DC.

CAUTION: The Annunciator will be damaged if AC is used and will require factory service.

Test:

The test state is activated when the rotary switch is set to zero and the reset button is pressed. While in the test state the Annunciator will perform two actions repeatedly.

The first action is to test each part of the display. The second action is to cycle through all inputs displaying the numbers for each input that is actively faulted. This is useful for testing field connections. To exit the test state set the rotary switch to a value greater than zero and press the reset button.



Installation

There are two steps to installation: Inputs and the Output.

Inputs:

Each input is labeled 1 through 16. Each input corresponds to an error message stated on the face plate. To drive the inputs connect the input to a dry contact that pulls to ground when faulted, i.e. normally open. Dry contacts include relays, reed switches, etc.

Output:

The output, when faulted, will pull the Load pin to ground. The output can drive any DC device up to 2A @ 48V. To attach device connect the positive of the device to the positive source. Then attach the negative of the device to the Load pin.

If there is a need to drive an AC device or to drive a device with greater current use a relay as shown below.

CAUTION: The Annunciator will be damaged if AC is used and will require factory service.

NOTE: The front panel is protected during shipping by a clear overlay. The overlay should be removed during installation. It is very thin and easy to remove. If you have difficulty, it is possible that your unit has already been prepared.

