

## Introduction

Filters prevent problems caused by large amounts of electrical noise. Electrical noise is caused by high voltage transients created when inductive loads, such as power contactors, are turned on or off. The strength of these transients can be over 1000 Volts and can vary with the type of equipment installed, the wiring, and other factors.

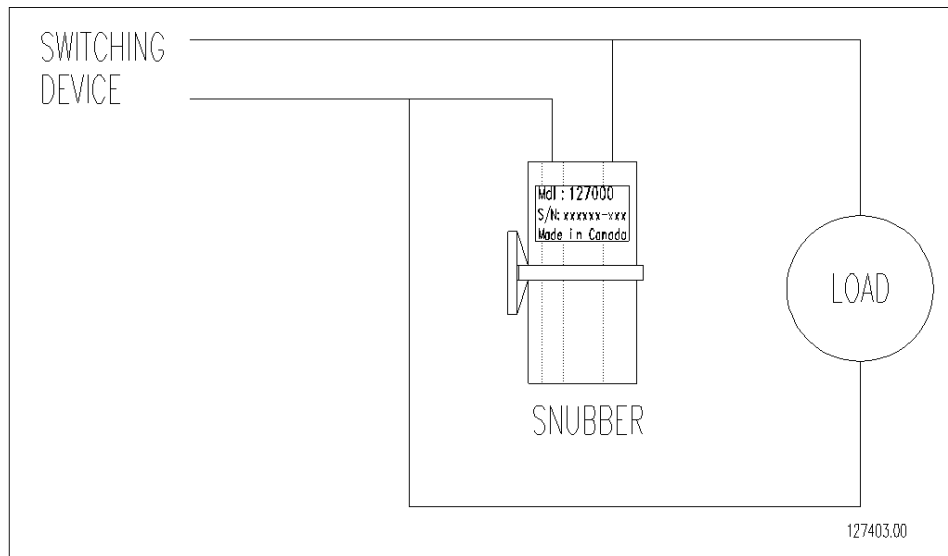
Filters are recommended even if you do not have symptoms related to electrical noise. Filters assure that controls continue to operate reliably and extend the life of power contactor and relay contacts.

The 127-0 Snubber Filter is intended for use with solenoids, timer relays, DC motors, furnaces, and other equipment connected to the control's output(s). It can also be used with loads connected to power contactors.

**Warning:** DO NOT use the snubber filter on fan motors.

## Installation

Connect the filter across (in parallel with) the load, as shown in **Figure 1**.



**Figure 1:** Wiring Diagram

**Switching Device:** The switching device can be an output stage of a control, a relay contact, or a manual switch.

**Load:** The load can be a solenoid, timer relay, relay coil, relay contact, DC motor, or actuator.

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