



**ITT**

**Neo-Dyn**  
Aerospace Controls  
28150 Industry Drive, Valencia, CA 91355  
CAGE CODE 98087

2013-04-03

**ELECTROMAGNETIC SUSCEPTIBILITY  
AND  
INTERFERENCE CONTROL REQUIREMENTS**

ITT Aerospace Controls offers the following comments on Neo-Dyn® electromechanical switches:

- 1) The proposed component is not susceptible to conducted or radiated interference emissions from external sources since it does not contain electromagnetic, electronic or solid state components.
- 2) The component requires no external source of power to accomplish its intended purpose.
- 3) ITT Aerospace Controls has no control over the actual electrical load, its relative position, method of application, nor the means of electrical connection.
- 4) Since the item within itself generates no EMF, radiated and/or conducted interference becomes a factor only when the component switches the electrical load (creating a back EMF). In this instance, the transmission lines become the emitter antennae. To reduce the emitted EMF, the customer must cancel the undesirable signal by shielding the transmission lines to ground, external filtering or by some other suitable means.
- 5) The size of the component precludes internal filtering and/or other suitable suppression methods.

Lee Hutchins  
Sr. Design Engineer

THIS INFORMATION IS SUBJECT TO THE CONTROLS OF THE EXPORT ADMINISTRATION REGULATIONS [EAR]. THIS INFORMATION SHALL NOT BE PROVIDED TO NON-U.S. PERSONS OR TRANSFERRED BY ANY MEANS TO ANY LOCATION OUTSIDE THE UNITED STATES WITHOUT APPROVAL FROM THE U.S. DEPT. OF COMMERCE.

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS THE SOLE EXCLUSIVE PROPERTY OF ITT CORPORATION. THE DOCUMENT IS ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE DISCLOSED TO A THIRD PARTY OR USED FOR MANUFACTURE, PRODUCTION OR PROCUREMENT WITHOUT THE EXPRESS WRITTEN PERMISSION OF ITT CORPORATION. ~THIS DRAWING/DOCUMENT IS UNCONTROLLED UNLESS ACCOMPANIED WITH A JOB PACKET.~