

LOCAL TECHNICAL AMENDMENT

FLORIDA BUILDING CODE 5th EDITION (2014) – BUILDING

NFPA 70 NATIONAL ELECTRICAL CODE

AMEND EXISTING NEC SECTION

ARTICLE 285 Surge-Protective Devices (SPDs), 1000 Volts or Less

Article 285.1 Scope. This article covers general requirements, installation requirements, and connection requirements for surge-protective devices (SPDs) permanently installed on premises wiring systems of 1000 volts or less.

Information Note: Surge arresters 1000 volts or less are also known as Type 1 SPDs.

285.3 Uses Not Permitted. An SPD device shall not be installed in the following:

- (1) Circuits over 1000 volts
- (2) On ungrounded systems, impedance grounded systems, or corner grounded delta systems unless listed specifically for use on these systems
- (3) Where the rating of the SPD is less than the maximum continuous phase-to-ground power frequency voltage available at the point of application.

285.4 Number Required. Where used at a point on a circuit, the SPD shall be connected to each ungrounded conductor.

Surge-Protective Devices (SPDs) shall be installed on all service equipment. Where used at a point on a circuit, a surge-protective device shall be connected to each ungrounded conductor. A single installation of such surge-protective devices shall be permitted to protect a number of interconnected circuits provided that no circuit is exposed to surges while disconnected from the surge-protective devices.

Local Conditions and Need: Amendment assures that surge arresters are installed on all services.

Fiscal Impact Statement: Minimal cost impact. Amendment clarifies arrester requirement. Requirement has been in effect in Pinellas County since 1987.

Effective Date: Effective date of the current edition of NFPA 70, The National Electrical Code.

This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.