DECLINING TRANSIENT PROTECTION DESIGN TRUE WHOLE HOUSE SURGE SUPPRESSION

The Institute of Electrical and Electronics Engineers (IEEE), in its recommended practices book on Powering and Grounding Electronic Equipment, states that surge protection should be placed on all service entrance panels as well as on sub panels. IEEE also recommends that data and telecommunications lines be protected. Federal government publications also recommend that structures be protected with surge suppression. We, your integrators, have also recommended a Total Protection Design System for your home which consists of protecting all copper wires entering and leaving the home along with protection installed on all electrical sub panels.

Leaving any copper wire unprotected that enters or leaves the structure offers an ideal path for lightning to ride into the structure and cause widespread damage and possible injury. Also, failing to protect service entrance electrical panels also allows destructive surges caused by the power company, the operation of equipment in nearby facilities, and surges from nearby accidents affecting the electrical distribution system to enter the structure and cause widespread harm.

Transient Protection Design (TPD) surge protection installed on all copper wiring entering and leaving the structure and at critical points inside the structure will allow all protected equipment to operate more efficiently with less repair and downtime, and will extend the useful life of all of all protected equipment. An investment in TPD protection equipment will pay for itself many times over throughout the life of the home. Furthermore, TPD products are very green and environmentally friendly. They will protect your investment in lighting, home automation, and HVAC controls and equipment and help assure that you get maximum saving and useful life out of your equipment.

An insurance policy is not the total answer to your protection needs. In the event of a lightning strike, an insurance company will pay for a piece of equipment that has been damaged/destroyed by lightning and no longer functions, but it will not pay for all the items that fail weeks and months down the line. And, the insurance company will not pay for the equipment that has had its useful life shortened by the lightning induced surge that damages the equipment but not to the extent at it causes it to cease working on the day of the strike or shortly thereafter.

Notwithstanding the above and the contrary to the advice of our integrator, a full TPD System has not been purchased and we accept the risks of having unprotected copper wires entering and/or leaving the home and of having unprotected electrical panels (whether service entrance or sub panels) in the home.

In the event TPD suppression is going to be installed on some but not all of the surge paths into the home, we realize that there is no 100% guarantee that there could never be surge damage even on those protected wires. The TPD units being installed will protect the covered equipment from most electrical transients. We expect that most protected equipment will go years with little or no surge damage. It is, however, scientifically impossible to protect with 100% certainty against all surge events, including lightning and other Acts of God. And, except for the replacement warranty on the suppressor itself that comes with each TPD unit, the manufacturer, reseller and installer hereby expressly disclaim all warranties, expressed or implied, concerning or relating to the surge suppression.

End User/Home Owner Signature: _____Date:_____

Integrator Signature: _____ Date:_____