



The Peacemaker - 1873



“Where the West Begins” is the official motto for my home town Fort Worth Texas. The region was legendary for its many colorful characters ranging from lawmen to outlaws! Guns were most certainly widespread on the frontier, but no gun in the history of the Old West left a mark as the Colt Single Action Army Revolver, also known as the Colt Peacemaker, did. The Peacemaker was popularized in popular culture—namely the Western genre of the 20th century—but its historical significance is undeniable.

The Peacemaker - 2020

There are few things that create more stress in the workplace than dealing with computer-based technology! Recent studies indicate that workplace stress is at an all time high. Job stress is more strongly associated with health complaints than financial or family problems. Additionally, up 65% of workers said that workplace stress had caused difficulties, and more than 10 percent described these as having major effects. Also that 60% of absenteeism was associated with stress in some ways in that survey. For those in the position of responsibility for production we find that among the most common causes of workplace stress is the pressure to perform to meet rising expectations but with no increase in job satisfaction. Especially during these times as there is this unparalleled season of pressure to work at optimum levels—all the time!

What part does quality power play?

As the computer processors have continued to evolve and become more complex, so have the issues with random lockup's, loss of synchronization and other unexplainable “No Trouble Found” service calls. It is often thought that the PLC and related type controllers are a ruggedized industrial piece of equipment that barely requires a climatized environment, much less a quality electrical infrastructure suitable for a 21st century data center. According to Automation.com about 80 per cent of PLC failures are a result of field devices, Input/Output (I/O) module failure or power supply issues. Typically, these defects manifest as a sudden process stop or irregularity of performance, because the PLC control system is waiting for a signal to allow it to step through its program sequence.

Research by PurePower® of Canada reveals that the “false” zero crossing (caused by internally generated switching transients) also causes “timing” issues and many circuits use the 60Hz sine wave to time the turn-on of components (in a closed feedback loop) and these false crossings would cause random errors and resets”. This is truly an “Aha: moment for so many in the tech world. These events are the primary cause of the “techno-stress” existing in most of the Industry 4.0 world! But there is hope...



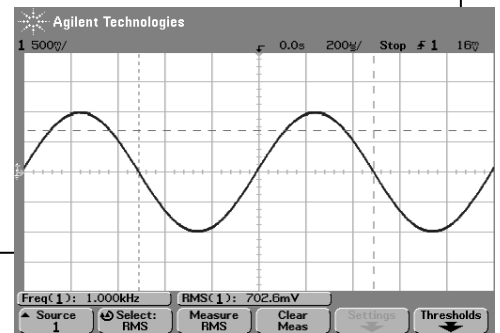
In 2004 SineTamer® was introduced to the world of surge protection devices. From our initial introduction in Latin America to currently in 43 countries around the globe, we are your solution for technostress. We are your “Peacemaker” in the midst of the increasing maze of technology that was intended to make life/business better, more productive and ultimately more profitable. Surge protection is no longer an option, it is a necessity.

Our Peacemaker kit designed for control cabinet applications can give you your life back and reduce workplace stress by significant percentages!

4th Generation Technology

Capitalizing on the benefits of Industry 4.0 and all that it may offer requires a sure foundation. SineTamer® is that first step. Virtually all OEM's build in a simplified surge suppressor, typically a common MOV type device. The challenges arise when unexplained occurrences begin to plague the machine, and no one has an answer, since surge protection is "built-in".

SineTamer® is not your common surge device. It is an engineered transient disturbance filter that is designed to monitor all 360° of the sine wave. According to numerous studies one of the predominant power quality issues involves loss of synchronization of processes and unexplained reboots or resets. Many of these events are triggered by false zero crossings of the sine wave, which the typical surge arrestor can never prevent.



The PeaceMaker Kit – KRM40ySPx

The KRM40 kit is made up of the RM-ST40 unit as pictured immediately below on the left. This unit is the protection for the supply voltage feeding the control cabinet. Each unit utilizes our exclusive frequency attenuation network™, patented overcurrent fusing and board level thermal fusing. The units are available in the following voltages: 120/208, 220/380, 230/400 and 277/480 wye configuration. The three wire delta voltages are 240, 380 and 480.



The single-phase SP units are available in AC and DC voltages. In AC the available voltages are 120, 240, 380 and 480 (parallel with wires only). The DC voltages are typically 24vdc but 12 and 48 are also available.

A data sheet with more complete specifications is available from our office or through one of our global partners.



Do not wait another day to find technostress relief! Get your life back!

*In virtually any scenario, the right environment can only increase the odds of success.
SineTamer® is the answer to the question you may not have even asked.*

For the security of your electronic infrastructure contact us or one of our global partners at info@sinetamer.com.

call ECS: 817.483.8497 • visit us online: www.sinetamer.com

