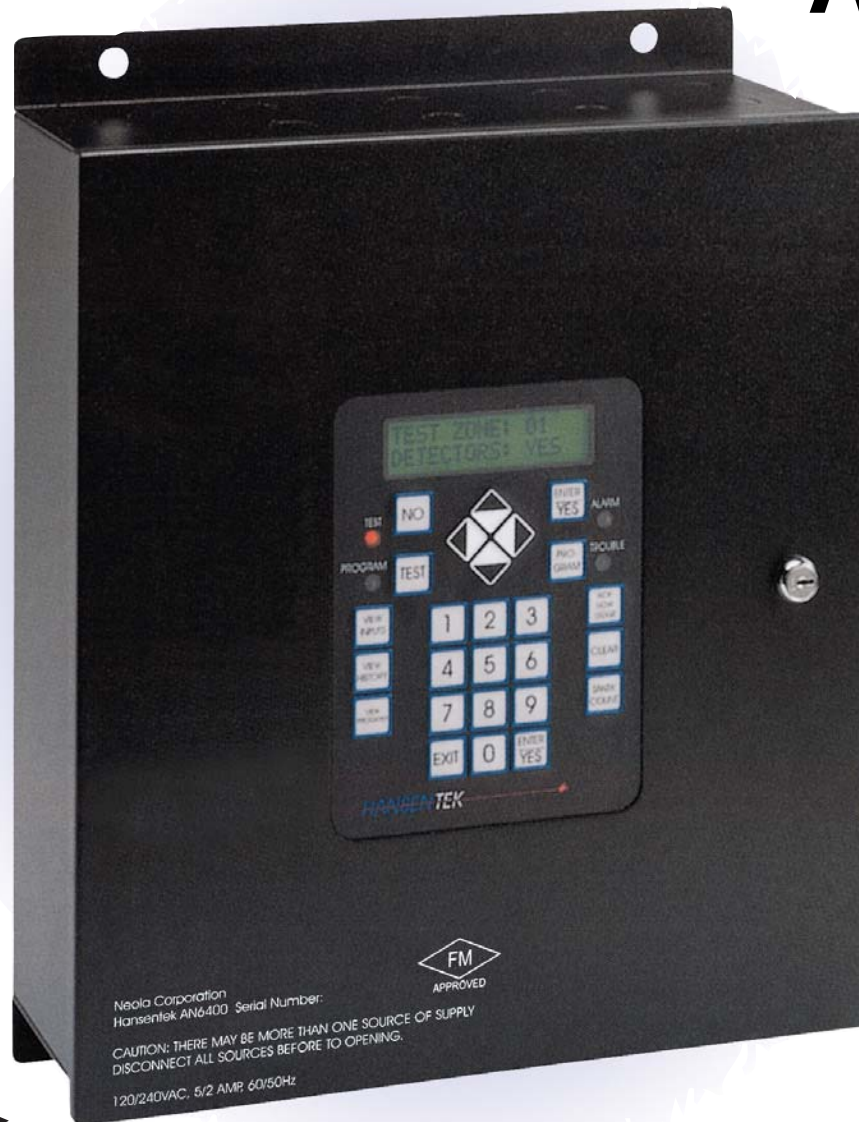


# AN6400 SPARK DETECTION SYSTEM

THE **A** N 6400



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The AN6400 is the most powerful and versatile system available. Each of up to 64 zones monitors and can individually identify each spark detector in the zone. Each zone can also monitor water flow switches, water pressure switches or water line heating systems as well as heat detectors. When a spark or heat alarm is detected, the system can initiate a variety of responses such as spraying water, closing an abort damper, shutting down the dust collector etc.

The AN6400 stores all events in memory, stamped with the time and date of the occurrence. You can conveniently scan through these on the bright LCD display of the control panel.

The AN6400 also stores spark counts in memory. The spark count can be viewed for each detector and not simply on a zone by zone basis.

And, Hansentek's AN6400 can automatically perform a functional sensitivity test on every spark detector under actual operating conditions - across the full width of the duct and through both lenses.

All these powerful features are standard - not high cost options.

Our intelligent zones offer unparalleled flexibility on a zone by zone basis. Selectable features such as dust collector shutdown on spark, shutdown only on multiple sparks or detect-spray-detect-shutdown allow you to tailor each zone to your particular hazard.

The dust collector can even be shutdown on any trouble signal that indicates a disabled protection system.



## ***Fast***

Sparks can be propelled through your ducts and toward your dust collector at up to 100 kilometers per hour. Ordinary fire detection and suppression systems can not react before the spark reaches your dust collector - causing damage to your filter bags or worse.

Spark Detection and Extinguishing systems have to be fast and the Hansentek AN6400 is very fast. Our infrared detectors can detect and signal the presence of a spark in less than 60 microseconds. Compare this to the 1 to 5 seconds required for standard infrared flame detectors.

This quick response, coupled with our high speed solenoid, ensure a full spray pattern is established across the entire duct in a quarter of a second.



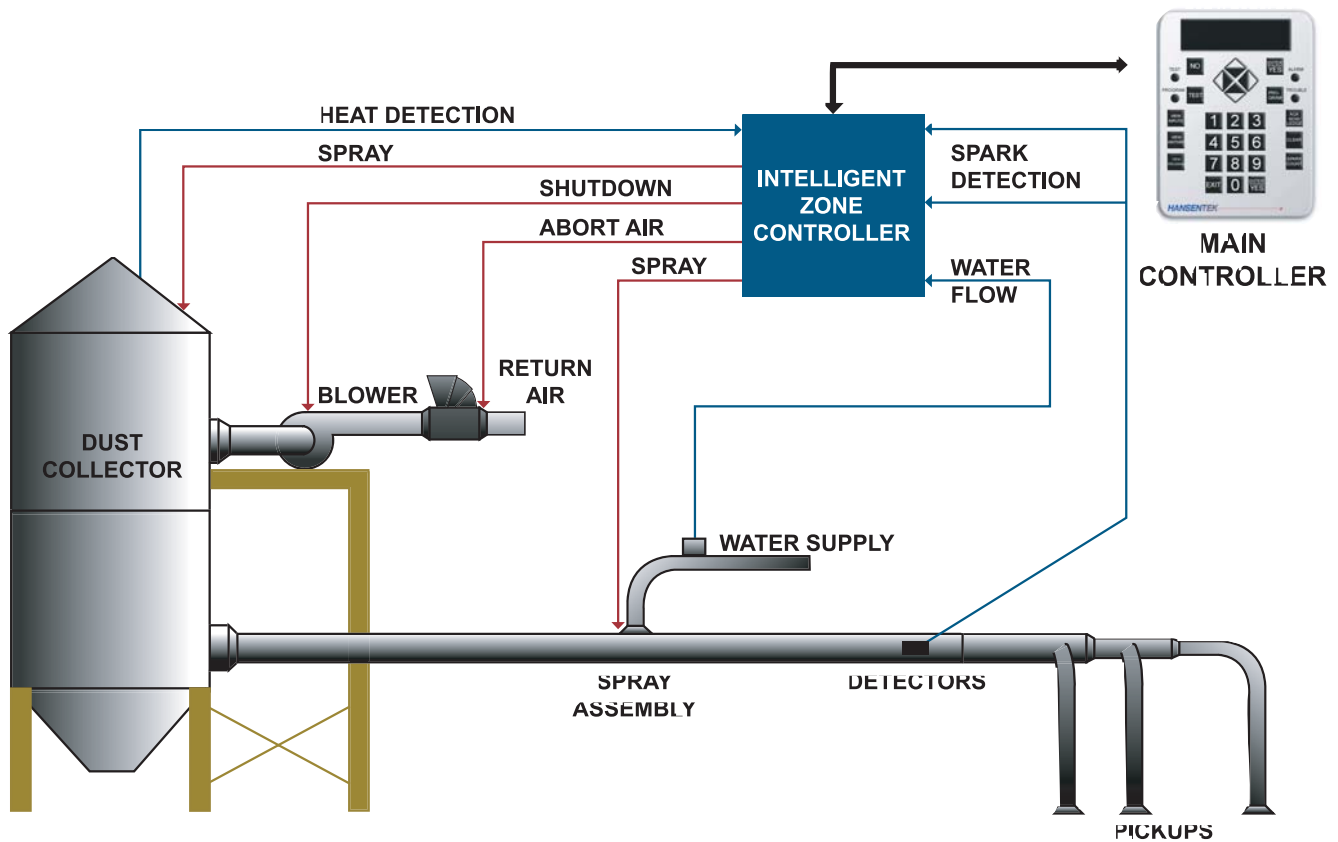
## ***Modularly Expandable***



The AN6400 is fully expandable up to 64 zones, yet is competitive even for single zone systems. The modular design ensures you pay for only what you need.

Each zone has its own processor and therefore adding zones doesn't slow down your system. And, with intelligent zones, there is no need for a huge central control unit when you have only one or two zones.

Adding zones is very simple. The zone modules simply snap onto DIN rails and all wiring is connected via convenient, plug in connectors.



## True Distributed Processing

The AN6400 uses a true distributed processing system, where decisions are made right where the events happen and not after communicating with a central control unit.

Much like a network of personal computers, the intelligent zones of the AN6400 are not dependent on the central control unit for local

tasks but zones are networked for system wide programming and reporting.

A spark will be detected and a spray command issued within 10 milliseconds regardless of how busy the system is, or even if communication to the central control unit is disrupted.

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