

DSI OVEN WIREWAY



The FPA DSI Wireway combines the housing of field wiring with the distribution of control devices, including Direct Spark Ignition (DSI) units and, in some cases, the operator interface, in a single modular unit. Rather than clutter your oven with messy conduit runs, multiple electrical enclosures, and operator stations; let us package it all into one FPA DSI Wireway.

Several bakeries are changing their oven controls from constant spark to direct spark ignition to comply with new regulations in FM, OSHA, IRI and NFPA. While the regulations do not apply to previously approved systems, and we do not encourage unwarranted changes, we would welcome the opportunity to review the options available in burner control for new, modified, or relocated ovens.

The FPA DSI Wireway is perfect for installing on new ovens and for replacing constant spark ignition systems on existing ovens.

There are a variety of options to be considered when researching the FPA DSI Wireway that is suitable for your particular needs:

OPTIONS

Option 1 includes lights and switches along the wireway as the only operator interface.

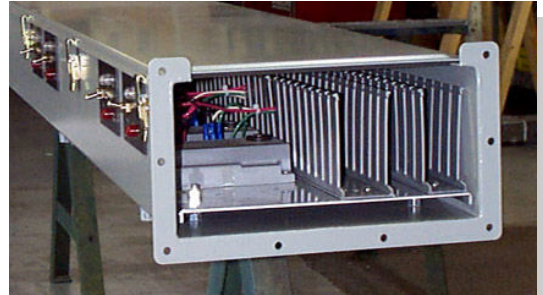
Option 2 utilizes an Allen Bradley PLC to control the DSI's through Allen Bradley Distributed I/O. An operator interface unit provides the operator burner status information as well as burner selection/deselection. The lights and switches described in Option 1 are generally excluded but can be included if desired.

Option 3 provides PLC control of the DSI's through Distributed I/O and also has burner temperature control included in the software and PLC modules.



The operator interface is an Allen Bradley Panelview. With this level of control, the oven operator can select burners, adjust zonal temperatures, and control bake-time from one location, usually adjacent to the oven discharge.

Option 4 includes everything outlined in Option 3 and provides the design and build of a new oven control panel. This option is most often selected where an older oven is moved or updated. When selecting this option, FPA Engineering will meet with you to review the oven's current control and discuss options for automating damper positioning, combustion air regulation, recipe control of the oven's baking parameters, and a host of other options.



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