

## Excellence Awards

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### **Is A Pre-Engineered Flexible System That Can be Customized For Specific Applications**

The Dedicated Distributed Controller™ (DDC) is a pre-engineered flexible system of operator interface including 22mm operators, local or remote I/O and main control that is customized for specific OEM applications. The DDC consists of two main customer defined components for simple integration in any equipment and application. The first, a main display panel rated NEMA 4X (IP 65) includes up to six rugged 22mm operators such as push buttons, pilot lights and selector switches; up to a twelve position keypad, a hard-wired Emergency Stop operator, an LCD vacuum fluorescent display and a "C" programmable processor with flash memory.. Most electrical connections are on printed circuit boards for "error-proof" assembly. The second component is made up of local or remote plug-in Smart Interface Modules and system power supply. These modules include digital or analog I/O, power I/O/, thermocouple, encoder and special functions for proprietary control options. The system uses Modbus for internal communications. External industrial communication schemes such as DeviceNet and Fieldbus can be accommodated as optional plug-in modules. The individual Smart Interface Modules plug into a four or eight position DIN-rail mounted board that is connected to the main display panel with a single plug-in cable. A pushbutton and LED (both programmable) for each input/output, multilingual full text message display and pilot lights to indicate status/fault conditions simplify and speed troubleshooting. There is no need to interpret cryptic codes. "The pre-engineered design platform and manufacturing systems allow th3e DDC to be a cost effective customized controller for small to midsize OEM's, says Ron Seyk, president of BTR Controls. "They can select and specify the needed options to perform specific functions required by their machine, process or diagnostic system—thus providing a proprietary control design.

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