

## OVERVIEW of the **Classic** PIPE ORGAN CONTROL SYSTEM

The **CLASSIC PIPE ORGAN CONTROL SYSTEM** is a universal control system for organs which can be configured to provide all control and switching functions for any size or type of pipe or electronic organ. The system includes a micro-processor-based CONSOLE CONTROL COMPUTER (CCC), a PIPE CONTROL COMPUTER (PCC), and output boards to drive electro-magnets (PDB). This system has been developed and refined over the past twenty years. It, and its predecessors, have been installed in hundreds of organs in Canada and the USA, including the largest theatre pipe organ in Canada and the largest outdoor organ in the USA (the Chautauqua Institution's Massey Memorial Organ, 4 manuals, 93 ranks).

Numerous accessory boards are available for special purposes. Switch Input Boards (SIB) allow direct (parallel) wiring on stops, pistons, and keys which may be difficult to wire in a matrix. A lamp driver board (LAMPDR-1) is available to drive lamps, LEDs, or bargraph displays in the console, if more are required than can be driven directly from the CCC. Optical switch boards are available to replace mechanical contact rails in new or existing keyboards, including some which are able to sense key velocity (for MIDI). These are easy to install and wire, and completely eliminate intermittent key contact problems. Various numeric display boards are available, with bezels, for mounting directly in a console, or in a brass plate Control Panel, which we can also supply. Various control panels are available, which may be used if it is inconvenient to add lighted control pistons to the keyslips.

Due to the use of state-of-the-art materials and design techniques, the **CLASSIC** pipe organ control system is one of the most flexible and reliable available to the pipe organ industry. Since a minimum of components and interconnecting wires is used, the system is inherently extremely reliable. All electronic components used are readily available industry-standard components. Such components are guaranteed by Artisan Classic Organ Inc. for five (5) years.

Through an active program of research and development, Classic Organ Works is continuing to improve and enhance its existing products and to develop new products for the pipe-organ trade. Other products available include: "stand-alone" electronic pedal-stop generator systems; electronic (sample-playback) voice generators, which can give the organ builder a cost-effective way to provide an appropriate hybrid pipe-electronic organ, where an all-pipe organ is economically or practically not feasible; and cost-effective pre-packaged systems (CCU/PCU/OCU/CAU) designed for easy retrofit installations.

*For further information please contact:*

### **Classic Organ Works**

(Division of Artisan Classic Organ Inc.)  
2800 John Street, Unit 4  
Markham, Ontario, Canada  
L3R 0E2

Telephone: 905-475-1275 or 1-888-812-9717  
Fax: 905-475-2735  
E-Mail: [info@organworks.com](mailto:info@organworks.com)  
Web: <http://www.organworks.com>

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