Datasheet

CSD703
Coded Signal Decoder

Proven dependable in thousands of installations

Clear, easy-to-use information reduces operator error

Monitors up to 96 channels or supervised circuits without overload

Keltron's CSD703 coded signal decoder receives and decodes signals from electronic and electro-mechanical transmitters. Designed primarily for use in municipalities and large industrial environments, it is a modern replacement for the traditional single-stroke register system.

Solid-state design incorporating full supervision of both connected circuitry and system modules ensures lifelong reliability. The touch-screen CRT operating control panel, one of many Keltron firsts in the industry, improves operator accuracy and minimizes maintenance problems by eliminating the need for electro-mechanical switches.

The system is based on Keltron's powerful DMP703/704 alarm monitoring system and replaces the original DMP100 and DMP200 Series decoders.

CSD703 features

The CSD703 presents alarm information three ways to ensure operator accuracy; it sounds an audio alert to attract the attention of an operator, it displays message-specific information on the touch-screen CRT and it prints an event-specific message. Other innovative features include:

- Displays messages in flashing and/or reverse video screen formats with or without high intensity lighting for fast and accurate reading
- Up to 1200-character message per code programmed with plug-in keyboard or PC
- Improves troubleshooting with box timing printout
- Annunciates both system and any received signaling errors
- Hard copy red/black printer
- Monitors from one to 96 channels
- Configurable as a code-to-point translator for applications requiring integration
- Self-checking indicators to automatically signal low paper and paper out
- May be either rack or desk top mounted
- Self-contained 7" rack-mounted system with separate power source/charger

Keltron develops and manufactures universally-compatible, UL listed life safety event management systems for the municipal and proprietary markets. Solutions include Ethernet signaling systems, active network radio systems, distributed multiplex systems, digital communicator/receiver systems, and direct wire systems. This document is not intended for installation or maintenence purposes. All specifications are subject to changes without notice. For more information visit www.keltroncorp.com or contact us at 781-894-8710.

SPECIFICATIONS*

INPUT SIGNALS

Code capacity	1 to 5 digits, up to 64 channels
Timing range	1/8 to 4 seconds
Format	Virtually all including, 4-10-25 or 4-8-16 or 1 tooth between digits, 4 between rounds. Exception: decoder will not decode the following: 1, 11, 111, 1111, 11111.
Signal levels	24VDC, 100ma or contacts Normally opened or normally closed.
Signal type	Unsupervised or PNIS for (NC lines a break will be annunciated).
Connections	Rear mounted barrier strips.

OUTPUT SIGNALS

Audible	To announce that a code has been received or that an error condition exists.
Display	Fully field programmable messages on a 7" Cathode Ray Tube (CRT).
Attributes	Flashing, reverse video, high intensity or any combination on any part of the message.
Special Features	Error messages, paper low, paper out.
Capacity	38 lines at 32 characters per line, 10 lines per screen.
Screen	Green phosphor with direct etch for low fatigue, glare-free viewing.
Printer	Fully field programmable, independent of display.
Type	Dot matrix impact, 3" wide plain paper.
Color	Red or black - field programmable on a line-by-line basis.
Capacity	32 columns
Speed	2.4 lines per second
Time and date	Military time (0-24 hours), Gregorian calendar with automatic month and leap year displayed in lower right corner of CRT. Printed if selected during programming.
Accuracy	Equal to accuracy of power line frequency, or, in crystal mode, 2 seconds per month, 4 seconds per year. Switching from line to crystal is automatic upon AC power loss and switch to battery operation.

MEMORY CAPACITY

Capacity	64K or 256K character per card, 3 Megabytes per system, maximum.
Messages	Up to 1200 characters per message with the capability of alarm and acknowledge display being different. Printout can be red or black selectable on a line-by-line basis. Displays can have attributes of High intensity, reverse video, flashing or a combination of these for any printout or portions of the message.
Editing	Full field programmability via a plug-in keyboard which is security lock controllable.
Lists	Unused code numbers can be used to store special lists such as doctors, tow trucks, hydrants, etc.
Controls	All, except the security lock, reset and volume controls are non-mechanical from the touch screen.
Capacity	Up to 16 independent switches.
Functions	Alarm acknowledge or silence. Manual print (prints time and date).Manual paper feed. Manual digit entry to look at programmed messages or special lists. Clock setting controls.

SPECIAL FUNCTIONS

Incoming line type	Rear dipswitches allow each line to be set for NO or NC.
Mode	"All" mode selected means that all incoming codes will be printed/ displayed. "Different" means that repeat rounds of the same code will be ignored. (Non-UL)

OPTIONS

Retransmitter	This allows code transmission either manually via the touch screen or automatically when selected preprogrammed codes are received. Outgoing code is fully programmable for code and for speed. Two independent outputs allow different codes/speeds to be sent simultaneously. PNIS operation may be selected.
RS232	This allows transmission of data to a computer, printer, beeper or similar receiving device.
Outputs	Form A relays or Open Collector Transistor Drivers.

* These are brief and for a guide only; full bid specifications are available.

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