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Datasheet

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DMP704 Compact Alarm Monitor



Compact
Versatile
Reliable
Cost effective

Keltron's DMP704 compact alarm monitor enables high performance, dependable and cost effective life safety alarm monitoring at municipal and proprietary facilities.

To meet limited space constraints or for small systems, the DMP704 compact alarm monitor provides the powerful functionality of the DMP703 universal alarm monitor but is limited to 100 direct connect points. The DMP704 is self-contained; the CPU, plug-in cards, digital inputs and control functions are all included in a single compact unit with a separate power supply.

DMP704 benefits

Compact - combines a wide range of functionality in a single rack mount unit

Versatile - accepts universal input technologies and provides multiple outputs on a control-by-event basis

Reliable - proven in thousands of municipal and proprietary installations throughout the world

Fast - enables instantaneous life safety event response with easy-to-use and learn operator controls

Accurate - English text event description and response messages ensure error-free dispatching

Cost Effective - best value for smaller systems installations. Interfaces with both new and existing systems and components to save capital expense.

DMP704 features

- Self-contained 7" rack-mounted alarm receiver with separate power source
- Powerful control processor extends expansion capabilities
- Modular plug-in construction for easy expansion within unit
- Sequential rotating display
- Field programmable messages
- Plug-in PC keyboard
- 7" CRT touch screen display and 2-color impact printer
- Audio alert signals
- Computer interface capability
- Receives 7 types of signals and provides multiple outputs
- Optional hardware and software modules

Direct input signals

Polarity Reversal: 3V, 2mA sensitivity. *Capacity:* 100 inputs - 2 alarm types; e.g. fire or burglary indications

Order one 95M2880 per 25 inputs

Multi-Level Direct-Wire: up to two contacts per input. Up to 3 end-of-line resistors-2 alarm levels plus opens and shorts are line fault; e.g. fire, burglary and trouble. *Capacity:* 100 inputs

Order one 95M2876 per 25 inputs

Tones: 2 alarm inputs per transmitter plus communication line supervision. Voice grade phone line compatible, includes fiber lines. *Capacity:* 99 inputs

Order one 95M3042 per 25 transmitters

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Options

DACT, or radio receiver inputs: Use RS232 option for interfacing with radio receivers. See DR703Le data sheet for DACR capabilities.

History software: Enables the DMP704 to store a one-line record of each event: e.g. alarms, restorals, and other operator events such as zone edits and in/out service actions. Memory capacity ranges from 4,000 to 16,000 events, depending on number of other options present in the system. Retrieval can be performed by zone, time and date, and type of event in any combination.

Coded signal input: 96 circuits maximum 4-10-25 or 4-8-16 or one tooth between digits; 1/8 to 4 second period; 1 to 5 digits Number of circuits and choice of input style depend on other system requirements
See the CSD703 data sheet

Coded signal output: 2 dual port cards maximum. Up to 4 independent outputs allow communication with bells, fire departments or similar communication systems

Relay outputs: Up to 512 relays or 768 open collector outputs for external annunciation or control-by-event activations

RS-232 / RS-422: Input/output for communication with remote equipment such as automation computers or CAD

Remote Video: Enables entire system display to be duplicated on a remote monitor via 75 ohm cable

Message features

Capacity: 256K characters per card; maximum 4 cards per system

Messages: up to 1280 characters per message

Editing: full field programmability via plug-in keyboard, protected by security lock (option)

Self-check: error messages displayed; e.g. paper low/out, head jam

Reference: unused zone input numbers may be used to store lists such as doctors, tow trucks, hydrant locations, etc.

Physical features

Display: Fully field programmable messages on a 7" CRT.

Attributes: flashing, reverse or highlighted in any combination

Capacity: 10 lines/screen; 32 characters/line

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, fan-fold or roll

Capacity: 32 columns/line

Color: Red and/or black programmable

Speed: 2.4 lines/second

Controls: Touch screen operation, security lock and reset are the only mechanical switches. Up to 16 functions, variable with each menu. Include alarm acknowledge, manual paper feed, manual entry for message review etc.

Audible signal

Announces event received or error condition

Memory: Nonvolatile RAM - 3MB maximum

Power in: 24VDC input at 1 .5A average

Dimensions

DMP704 - 7"H x 19"W x 21"D

PS740-3 - 5.25"H x 19"W x 12"D

Time/date: Military time (0-24 hours) and Gregorian calendar displayed in lower right corner of screen Automatic crystal back-up for AC power loss Crystal accuracy is 2 seconds/day; 4 seconds/week. Automatic adjustment for length of months and leap year

Custom software available - consult the Keltron factory

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 maintenance purposes. All specifications are subject to changes without notice. For more information visit www.keltroncorp.com or contact us at 781-894-8710.

