KELTRON

FT Option for the Keltron DMP703 Alarm Monitoring System

To meet this municipality's requirements to separate the signals from related but separate facilities, Keltron developed the cost-effective FT option for the DMP703 alarm monitoring system.

The FT option segregates alarm annunciation at the OP703 remote operator console into separate consoles for different uses. This FT option application is located in a municipality where the fire and police departments share an alarm monitoring system.

How it works

The FT option enables the facility manager to locate a central operating console in one building and ensure that it receives and segregates and transmits signals from separate functioning facilities.

Rules for Keltron OP703 operator console assignment:

- The communications channel number on which the OP703 operator console is installed determines the OP703 console assignment as either a 'fire' or a 'security' console.
- The OP703 consoles installed on communications channel 1 and the succeeding odd channels are assigned to fire alarm reporting.
- The OP703 consoles installed on communications channel 2 and succeeding even channels are assigned to security alarm reporting.

Keltron CP703V and CP703VP central processor assignment:

- When equipped with a video monitor, the Keltron DMP703 system central processor always reports all alarms.

Segregated events:

The following events are routed by the FT option to either fire alarm consoles or security alarm consoles:

- New display and printout of monitored alarms
- Acknowledge printouts of monitored alarms
- Rotating display of old direct connect alarms and out-of-service direct connect zones
- Rotating display of old digital dialer alarms, if dialer rotation option is included
- Direct connect out-of-service and in-service printouts
- Digital dialer out-of-service, in-service, and test mode printouts

Non-segregated events:

The following events are reported at all Keltron OP703 consoles:

- System generated alarms such as AC power failures, communication failures, and other system supervisory alarms
- Clock set and edit printouts
- Rotating display of out-of-service direct connect zones, if block zone option included
- Rotating display of digital dialer accounts out-of-service and in test mode

Other non-segregated activity:

- Any direct connect zone may be dialed-up from any Keltron OP703 console independent of current alarm status. For example, a zone currently in fire alarm status may be dialed-up from a security console and placed out-of-service.
- Any digital dialer account may be placed out-of-service or in test mode from any Keltron OP703 console.
- Full alarm lists will be printed independent of the type of OP703 console requesting the list.
- Any type of alarm message may be edited from any OP703 console.

Alarm segregation and communication faults:

In the event that all of the installed OP703 consoles of a given type, fire or security, have stopped communication with the CP703 central processor, the FT option will be overridden and all alarms will be reported at the remaining, still functional OP703 consoles.

Alarm segregation rules:

- Direct connect alarms are routed on the basis of the alarm priority level. The available priorities for any given zone are determined when the system installer selects the zone type for that zone. The Keltron DMP703 System recognizes fourteen levels of priority. These are:

  P1 FIRE
  P2 HOLD UP
  P3 BURGLARY
  P4 SECURITY PANEL TROUBLE
  P5 GUARD TOUR
  P6 FIRE PANEL TROUBLE
  P7 SPRINKLER SUPERVISORY
  P8 SPRINKLER TROUBLE
  P9 LINE TROUBLE
  P10 RESTORAL of P1 through P9
  P11 INDUSTRIAL PROCESS CONTROL 1
  P12 INDUSTRIAL PROCESS CONTROL 2
  P13 INDUSTRIAL PROCESS TROUBLE
  P14 INDUSTRIAL PROCESS RESTORAL

- The following priorities are routed by the FT option to the fire alarm OP703 consoles:

  P1, P6, P7, P8, and P9

- The following priorities are routed by the FT option to the security alarm OP703 consoles:

  P2, P3, P4, P5, P11, P12, P13, and P14

- The P10 restoral priority is routed on the basis of the zone's previous state. For example, restoral from P1 fire is routed to the fire consoles while restoral from P2 hold up is routed to the security consoles.
- Coded signal (McCulloh) alarms are always assigned priority 1 fire and are therefore routed to the fire alarm consoles.
- Digital dialer alarms are routed on the basis of the event code tag. The system installer sets up code tags when editing the database of digital dialer accounts. Only events tagged with 'firetag' are routed to the fire alarm consoles.

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.

KELTRON