

# Central Control Module

## FEATURES

- **System Central Processing Unit**
- **FailSoft™ Operation**
- **Non-Volatile Program Memory**
- **Programmable Signal Output**
- **Programmable Agent Release Output**
- **Programmable Relay Outputs**
- **Real-Time Clock**
- **1000+ Event History Buffer**
- **Two RS232C Serial Ports**
- **PEGAsys Configuration Software; (PCS) Programmable**

## DESCRIPTION

The Central Control Module (CCM) provides the Kidde® PEGAsys™ with central control capacity. The CCM also provides one programmable signal circuit output, one programmable agent release output circuit and two independently programmable form "C" relay contacts along with a general trouble contact which activates upon any system trouble condition. The CCM interfaces to the RX/TX module which provides all status information on connected field devices. Upon receipt of a field device status change(s), the CCM will evaluate it's unique Event Output Control (EOC) programming and activate any outputs which are related to the active input(s).

A watchdog timer circuit provides supervision of the microprocessor for proper operation. Should the microprocessor fail, the watchdog circuit would initiate a CPU error which would alert the system operator of the failed condition. Through the use of the unique FailSoft™ operation, the CCM can still activate outputs in the event of an alarm during the failed condition. This feature ensures maximum system reliability.

System configuration and programming are performed using the PEGAsys Configuration Software (PCS) program. The PCS program is a Windows®-based configuration/programming utility which provides the installer the convenience of completing the configuration off-line and then uploading the system information to the panel to complete the system programming. The PCS program functions allow the installer to completely tailor the system operation to each particular application.

The system programming is stored in the CCM's non-volatile memory. Even in the event of total power loss (AC and battery), all the contents of the memory, including time and date settings are retained. Upon restoration of power, the system will operate as previously programmed. All system status changes are logged into and retained by the event history buffer which is capable of maintaining 1000+ events. The history buffer is a non-volatile memory device which maintains the history infor-



mation in the event of complete power loss. Events are time and date stamped for post event analysis. The system menu allows the user to specify all of the events or a range of events to be displayed or printed.

The CCM contains internal diagnostics which enhance troubleshooting with distinct messages for fault conditions for the CCM inputs/outputs, power supplies, I/O modules and field devices. The distinct messages allow the user to identify the exact system component which is experiencing the fault condition.

The PCS program provides the installer with the ability to relate system inputs to system outputs in a very flexible manner. The program provides logical operators which allow the system to be tailored to meet any Fire Alarm/Fire Suppression application requirement. Once difficult suppression release sequences can be accomplished with minimal effort. The system supports optional release abort input and manual release input functions with ease.

The Real-Time Control (RTC) Program provides the installer with the ability to control system functions in relation to time of day, day of week and month of year. System functions which are capable of being controlled are

SmartOne® detection device set point levels, addressable relay output state and I/O module output status.

Two RS-232C serial ports are available. One is used for programming and monitoring using the PCS program. A second is used for a remote printer connection. When activated, the serial ports supervise the connection of an active device. Upon disconnection, a trouble condition will activate on the system. Both RS-232C ports are isolated to protect against ground fault conditions caused by connected equipment which is grounded.

The CCM assembly includes the display and control module, which provides an 80-character back lit LCD, control switches, system indicators and the system keypad. The display and control module keypad enables the user to enter system passwords to gain access to system menus. The system menus allow the user to interrogate the system for specific information such as smoke detector settings and real-time levels, I/O module assignment lists, trouble lists, alarm lists, etc.

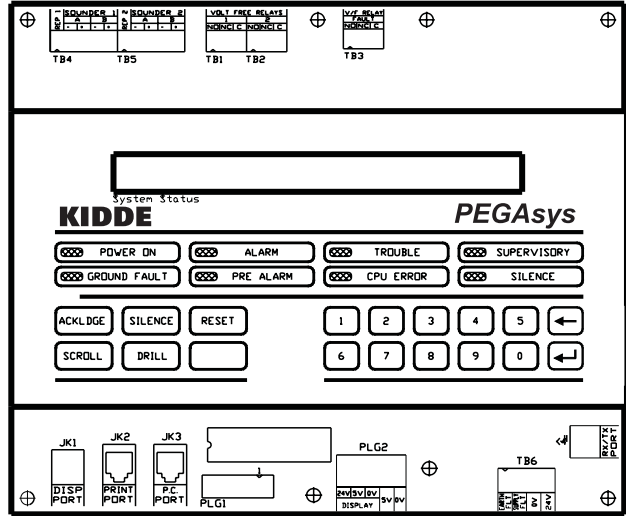


Figure 1. CCM Line Drawing

### TECHNICAL DATA

Signal Output Style:	Style "Y" or "Z"
Signal Output Rating:	24 Vdc, 2 Amps
Release Output Rating:	24 Vdc, 2 Amps
Relay Contact Rating:	1 Amp @ 30 Vdc
Trouble Relay Rating:	1 Amp @ 30 Vdc
Operating Temperature:	32° to 120°F
RS-232C Port (2 provided):	
Character Code:	ASCII
Transmission Rate:	9600 Baud
Word Length:	8 Bits
Parity:	None
Stop Bits:	1

### ORDERING INFORMATION

Part Number	Description	Weight
76-100008-001	Central Control Module	2.0 lb.

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