1. Introduction
The PC4701 is a fire expansion module for use with PC4010CF/PC4020CF Maxsys security systems. One module may be installed per system.

NOTE: The PC4701 cannot be used on a Maxsys system if an Escort4580 is also connected.

2. Specifications
- Connects to control panel via 4-wire Combus
- Current Draw: 40 mA (from Combus)
- Class B / Style B 2-Wire Smoke Detector Supervision
- Operating Voltage Range: 8.9-12.0 V DC
- Maximum Alarm Current: 80mA
- Maximum Ripple: 0.5 VP-P
- Compatibility Identifier: FM1
- Maximum line resistance: 50Ω
- Class B / Style B Waterflow Supervision
- Supervised Dual Telephone Lines
- Service Type: Automatic, Manual, Sprinkler Supervisory, Waterflow
- Signaling Type: Non-Coded

3. Installing the PC4701
3.1 Unpacking
The PC4701 package includes the following parts:
- One PC4701 circuit board
- 2 listed end-of-line resistors (2200 ohms)
- Four plastic stand-offs

3.2 Mounting
Install the PC4701 on either side-wall of the PC4010CF/PC4020CF cabinet, mounted in a dry, secure location. Perform the following steps to mount the unit:
1. Press the four plastic stand-offs through the mounting holes on the side wall of the cabinet.
2. Secure the cabinet to the wall in the desired location. Use appropriate wall anchors when securing the cabinet to drywall, plaster, concrete, brick or other surfaces.
3. Press the circuit board into the plastic stand-offs to secure the module to the cabinet.

Once the unit is mounted, complete the wiring.

3.3 Wiring
Before beginning to wire the unit, ensure that all power (AC transformer and battery) is disconnected from the control panel. Perform the following steps to complete wiring:

3.4 Applying Power
After all wiring is completed, apply power to the control panel. Connect the battery leads to the battery, then connect the AC transformer. For more information on control panel power specifications, see the control panel Installation Manual.

NOTE: Do not connect the power until all wiring is complete.

4. Enrolling the Module
Once all wiring is complete, the module must be enrolled on the system. To enroll the module, perform the following:
1. Enter installer’s programming by pressing [*] [8] [Installer’s Code].
2. Scroll to “Module Hardware” and press the [*] key.
3. Scroll to “Enroll Module” and press the [*] key.
4. Scroll through the different modules until “PC4701 Fire” is displayed. Press the [*] key. After this is done, the keypad displays the module number and confirms enrollment (e.g. “PC4701 Fire Mod 01 Enrolled”).

Please refer to the System Installation Manual for information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer.
For more information regarding module enrollment, see the control panel Installation Manual.

5. Programming the Module
To access PC4010/PC4020 programming, enter [*][8] followed by the seven numbers section stated on this worksheet, and record your programming choices in the space provided. The workflow and 2-wire smoke zones are hard-coded and the zone type cannot be changed. Refer to your Commercial Fire Installation Guide for more information on PC4701 zones. If the 2-wire smoke auto-verify feature is enabled in the System Toggles section (ref. #000200), the panel will automatically verify alarms from the 2-wire smoke circuit of the PC4701 before sounding the bells and transmitting the alarms.

Verification function will as follows: when the 2-wire smoke circuit is shorted, the PC4701 performs a sensor reset by removing power from the circuit for 20 seconds. After the 20 second reset, power will be restored to the circuit and troubles will be bypassed for 10 seconds to allow detectors to settle. If the smoke detectors inactivate another alarm within 60 seconds after power is restored, the fire alarm will be generated immediately. If the smoke detector is not reset by the power down, the zone will not be restored. If this occurs, the panel will initiate a fire alarm immediately (30 seconds after initial alarm). If the feature is disabled, the panel will generate fire alarms instantly.

Please refer to your PC4010/PC4020 Installation Manual for information on how to program.

INDUSTRY CANADA NOTICE

NOTE: If a workflow delay is programmed, the PC4701 workflow zone follows it. Please see your PC4010CFi4020CF Installation Guide for more details.

AVIS: L’étiquette de l’Industrie Canada identifie le matériel homologué. Cette étiquette certifie que le matériel est conforme à certaines normes de protection, d’exploitation et de sécurité, aux termes du NMB-4 et des branchements et connexions concernant les opérations et la sécurité des installations. Industry Canada does not guarantee the equipment will operate to the user's satisfaction.

FCC COMPLIANCE STATEMENT

This product has been tested and found to comply with all the requirements of the Federal Communications Commission (FCC) Rules and Regulations. This product conforms to the limits of exposure to electromagnetic fields. Your equipment may contain a radio frequency transmitter. If it does, the product will comply with FCC and Industry Canada regulations governing radiofrequency emissions. The power output is far below the maximum allowed. If you are uncertain whether this product is in compliance, please contact your nearest manufacturer, or their representative in Canada, for further information. The manufacturer is responsible for any claims made by the user, and is subject to the enforcement actions under the laws of the applicable jurisdiction.

The security control panel

AVIS: L’étiquette de l’Industrie Canada identifie le matériel homologué. Cette étiquette certifie que le matériel est conforme à certaines normes de protection, d’exploitation et de sécurité, aux termes du NMB-4 et des branchements et connexions concernant les opérations et la sécurité des installations. Industry Canada does not guarantee the equipment will operate to the user's satisfaction.

FCC COMPLIANCE STATEMENT

CAUTION: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void your authority to use this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402, Stock # 004-000-00344-5.

IMPORTANT INFORMATION

This equipment complies with Part 68 of the FCC Rules. On the side of this equipment is a label that contains, among other information, the FCC registration number of this equipment.

NOTIFICATION TO TELEPHONE COMPANY: The customer shall notify the telephone company of the telephone line to which the connection is being made and provide the FCC registration number and the ringer equivalence of the protective circuit.

FCC Registration Number: F53CAN-32904-AL-N
Ringer Equivalence Number: 0.08
USOC: P1X
TELEPHONE CONNECTION REQUIREMENTS: Except for the telephone company provided ringer, all connections to the telephone network shall be made through standard plugs and telephone company provided jacks, or equivalent, in such a manner as to allow for easy, immediate disconnection of the terminal equipment. Standard jacks shall be so arranged that, if the plug connected thereto is withdrawn, no interference to the operation of the equipment at the customer’s premises which remains connected to the telephone network shall occur by reason of such withdrawal. INFRINGEMENT OF HARM Should terminal equipment or protective circuit cause harm to the telephone network, the telephone company shall, where practicable, notify the customer that temporary disconnection of service may be required. However, where prior notice is not practicable, the telephone company may temporarily discontinue service if such action is deemed reasonable in the circumstances. In the case of such temporary disconnection, the telephone company shall promptly notify the customer and will be given the opportunity to correct the situation.

ADDITIONAL TELEPHONE COMPANY INFORMATION: The security control panel must be properly connected to the telephone line with a USOC RJ-31X telephone jack.

The telephone company is not responsible for the security control panel.],[/*][*]

STANDARD TELEPHONE CONNECTION PROCEDURES ARE PROVIDED IN THE INSTALLATION INSTRUCTIONS PACKED WITH YOUR PHONE. FOR ASSISTANCE IN INSTALLING YOUR PHONE, CALL 1-800-879-6777 (FCC).