

The connection diagram indicates the jumper settings required to have the first four zones be zones 9-12 and the second four zones be zones 13-16. To configure the PC5700 for other zone locations, consult the following chart:

Zone Assignment	J1*	J2*	J3*
None	ON	ON	ON
Zones 9-12	ON	OFF	ON
Zones 13-16	OFF	OFF	ON
Zones 17-20	ON	ON	OFF
Zones 21-24	OFF	ON	OFF
Zones 25-28	ON	OFF	OFF
Zones 29-32	OFF	OFF	OFF

\* PC5700 Z1-Z4

\*\* PC5700 Z5-Z8

telephone lines. When the PC5700 module detects a problem with the main line it will automatically switch to the secondary line. The secondary line will be used by the panel until the problem with the main line is cleared. The PC5700 can detect the problem and switch to the secondary line before the panel generates a TLM Trouble. Whenever the PC5700 detects a problem on either line it will cause a tamper on module zone 8.

The PC5700 has two onboard LED's that are used to indicate the current status of each of the telephone lines. If a TLM Fault is detected on either line the appropriate LED will be on. When the switch located at the top of the module is pressed and held, the LED's corresponding to the last telephone line restored from the trouble state will turn on. This function will only work if both lines are currently restored. The LED's will return to normal operation when the switch is released.

### Telephone Line Monitoring by the PC5700

The PC5700 module has the capacity to use two

#### 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:

- Re-orient 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 # 004-000-00345-4.

#### 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 particular line to which the connection will be made, and provide the FCC registration number and the ringer equivalence of the protective circuit.

FCC Registration Number: F53CAN-32105-KX-N Facility Interface Code: N/A

Ringer Equivalence Number: 0.1B

Service Order Code: N/A

USOC Jack: RJ31X

**TELEPHONE CONNECTION REQUIREMENTS** Except for the telephone company provided ringers, 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.

**INCIDENCE OF HARM** Should terminal equipment or protective circuitry 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 discontinuance, 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 FCC prohibits customer-provided terminal equipment be connected to party lines or to be used in conjunction with coin telephone service. Interconnect rules may vary from state to state.

**CHANGES IN TELEPHONE COMPANY EQUIPMENT OR FACILITIES** The telephone company may make changes in its communications facilities, equipment, operations or procedures, where such actions are reasonably required and proper in its business. Should any such changes render the customer's terminal equipment incompatible with the telephone company facilities the customer shall be given adequate notice to the effect modifications to maintain uninterrupted service.

**RINGER EQUIVALENCE NUMBER (REN)** The REN is useful to determine the quantity of devices that you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the RENs of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices that you may connect to your line, you may want to contact your local telephone company.

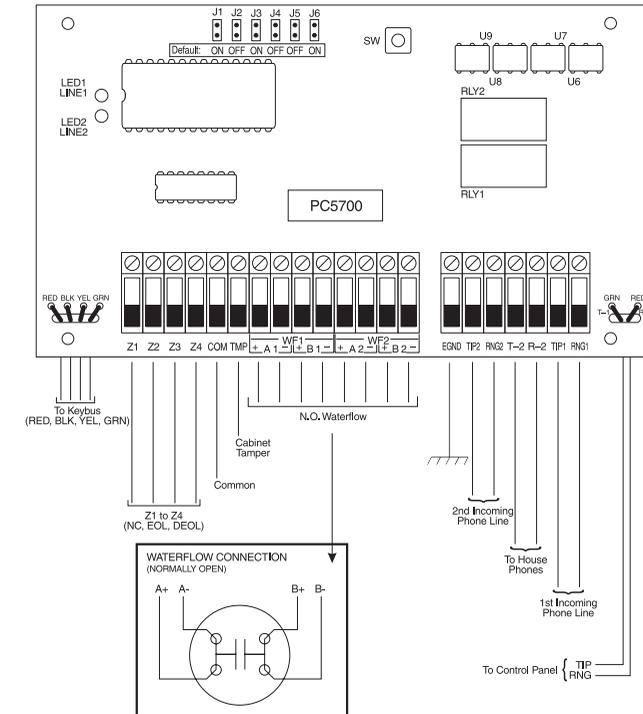
**EQUIPMENT MAINTENANCE FACILITY** If you experience trouble with this telephone equipment, please contact the facility indicated below for information on obtaining service or repairs. The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

Digital Security Controls Ltd. 160 Washburn St., Lockport, NY 14094

# Installation Instructions

The PC5700 is a zone expansion module to be used with any control panel which supports the PC5108 module. In addition to four general purpose zone inputs, the module provides the following features: two Class A supervisory waterflow zones, ground fault detection and dual-supervised telephone lines. The PC5700 connects to a control panel via the 4-wire Keybus using standard 22-gauge unshielded cable.

### PC5700 Connection Diagram



### Zone Inputs

The first four zone inputs (Z1-Z4) on the PC5700 are general purpose zones which can be programmed as any zone type offered by the alarm control panel. The last four zone inputs are as follows:

Zone #	Zone Type	Terminals
Zone 5	Class A (waterflow) circuit 1	A1+, A1-, B1+, B1-
Zone 6	Class A (waterflow) circuit 2	A2+, A2-, B2+, B2-
Zone 7	Ground fault detection zone	EGND
Zone 8	TLM fault	TIP2, RNG2, TIP1, RNG1

The zone definitions for these four zones should be as follows:

Zone 5	[07] Delayed Fire or [08] Standard Fire
Zone 6	[07] Delayed Fire or [08] Standard Fire
Zone 7	[08] Standard Fire
Zone 8	[09] 24Hr Supervisory (LINKS)

### Jumpers J1-J6

Jumpers are used to determine which zones will be assigned to the PC5700. Jumpers J1-J3 control the first four PC5700 zones. Jumpers J4-J6 control the second four PC5700 zones (two water-flow, ground fault and TLM fault zones).



**WARNING** 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.

PC5700  
Fire Module