Digital Security Controls

PC1OUT

OUTPUT MODULE

INTRODUCTION

The "PC1OUT" module was designed to provide separate positive voltage (+12 Volts) outputs from the Bell output terminals of the PC1000/M3 control panel. The control must be programed as an audible system. Totally silent operation can be obtained by using a 1K Resistor across the Bell terminals (no Bells or Sirens connected).

OPERATION

The emergency (EMR) output is generated by a pulsing bell signal. The output is not immediate, it is delayed by approximately 15 seconds to retain the keypad timeout feature on Z4 alarms.
(Z4=supervized emergency zone 1st configuration code 2nd digit = 9, A or C) The output voltage at the end of an alarm remains on for approximately 30 seconds.

A burglary (BRG) output is generated by a steady Bell signal with a delay of approximately 5 seconds. The output voltage disappears almost immediately at the end of an alarm.

The arming (ARM) output is generated by inverting the PGM output (switch to common - AUX). The output goes to positive on arming providing the 1st configuration code 1st digit is programed as a 4 = System Armed Status.

All outputs are 50 ma switches protected by 100 ohm 1/2 watt resistors, and are capable of driving small RELAYS, LED's direct wire modules with positive trigger etc..

INSTALLATION

The output module must be installed (using double stick foam tape shipped with the unit) in a location close enough for the modules wires to reach the corresponding screw terminal on the PC1000B/M3. The connections are as marked:-

BLACK WIRE = AUX -
RED WIRE = AUX +
ORANGE WIRE = BELL -
BLUE WIRE = PGM
The screw terminals on the module correspond to the following outputs:-

GND = COMMON OR AUX - CONNECTION.
BRG = BURGLARY OUTPUT (steady BELL output).
ARM = ARMED STATUS OUTPUT.
EMR = EMERGENCY OUTPUT (pulsing BELL output).