



HS-HC8000 CEBus® Home Automation Controller Installation Instructions

Introduction

The HS-HC8000 will allow users to control and schedule devices (e.g., lights) through their DSC security system. The HS-HC8000 uses Consumer Electronics Bus (CEBus®) technology to convey information and commands from the security system to the devices over the premise's power lines. Installers can program home automation items and schedules through the security system control panel and the Escort/VPM.

Users can control the devices through their telephone by following the Escort/VPM's clear, easy to understand prompts. Please see the Escort/VPM *Instruction Manual* for more information.

The HS-HC8000 is compatible with:

- PC4010/PC4020 security systems (with enrolled Escort4580 modules)
- PC5008, PC5010 and PC5015 security systems (with enrolled Escort5580 modules)
- VPM5580 and VPM4580 modules installed on a Communiqué system, and connected to a security system

Before You Begin

Before you install and program the HS-HC8000, you need to complete the following:

- 1 Install and program the security system. Please refer to your control panel's *Installation Manual* and *Programming Worksheets*.
- 2 Install and program the Escort or VPM module, including any applicable home automation and scheduling sections for the devices the HS-HC8000 will be controlling. Please refer to the appropriate Escort or VPM *Installation Manual* and *Programming Worksheets*.
- 3 Refer to the *Escort/VPM Programming* section of this instruction sheet for details on required programming for the HS-HC8000.
- 4 Review this *Installation Instruction* sheet.

Installing the HS-HC8000

Install the HS-HC8000 in the same cabinet as the Escort/VPM in a dry, secure location, at a convenient distance from the control panel. Use appropriate wall anchors when securing the cabinet to drywall, plaster, concrete, brick or other surfaces.

Wiring the HS-HC8000

Before beginning to wire the unit, ensure that all power is disconnected. Complete the wiring as shown in the *Wiring Diagram* on the next page.

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

WARNING: The HS-HC8000 supports a direct connection to the security system Keybus for the PC5008, PC5010 and PC5015. Do not connect to the PC4010 or PC4020 Combus.

Escort/VPM Programming

NOTE: All Escort/VPM programming should be performed prior to configuring the HS-HC8000.

The Escort/VPM **Item House Code and Unit Number** (see Programming Section [130]) programming has to be programmed sequentially as follows: **Item 1:** 000, **Item 2:** 001...**Item 32:** 031

Note: For proper system operation, this programming must be completed prior to enrolling modules.

The Escort/VPM module has a programmable feature called **Number of Home Automation Transmissions** (see Programming Section [007]). When a HS-HC8000 is connected to the Escort/VPM, make sure that this feature is programmed as [001]. Refer to the *Escort/VPM Installation Manual* for more information.

Configuring the HS-HC8000

NOTE: This step is necessary the first time the HS-HC8000 is powered up in a new installation. If you are installing a previously configured HS-HC8000 from another installation, see 'Resetting the HS-HC8000 to Factory Default' section before proceeding.

- 1 Connect the supplied power adapter to the HS-HC8000 and a 120VAC outlet.
- 2 Press and hold the programming button until the LED turns on (about 8 seconds).
- 3 Release the programming button.
- 4 Press and hold the programming button for about 1 second.
- 5 Release the programming button. The LED will start to flash.
- 6 After about 30 seconds, the LED will flash quickly indicating auto configuration is complete. **NOTE: This step is necessary to ensure that the HS-HC8000 can enroll and control CEBus devices.**
- 7 Press and hold the programming button for 1 second. The LED will stop flashing. The HS-HC8000 is now ready to enroll CEBus devices.
- 8 You can now enroll CEBus devices using the HS-HC8500 Home Controller Programming Kit.

Resetting the HS-HC8000 to Factory Default

If you are moving the HS-HC8000 from an old installation to a new one, you should reset the HS-HC8000 to the factory default settings and reconfigure the HS-HC8000 before enrolling any CEBus devices.

- 1 Press and hold the programming button until the LED turns on (about 8 seconds).
- 2 Release the button.
- 3 Press and hold the programming button until the LED begins to flash rapidly (about 8 seconds).
- 4 Release the programming button. The LED will turn off.

The HS-HC8000 has now been reset to factory default settings. You may now configure the HS-HC8000 in the installation as in the section 'Configuring the HS-HC8000'.

Warranty

Digital Security Controls Ltd. warrants that for a period of 12 months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

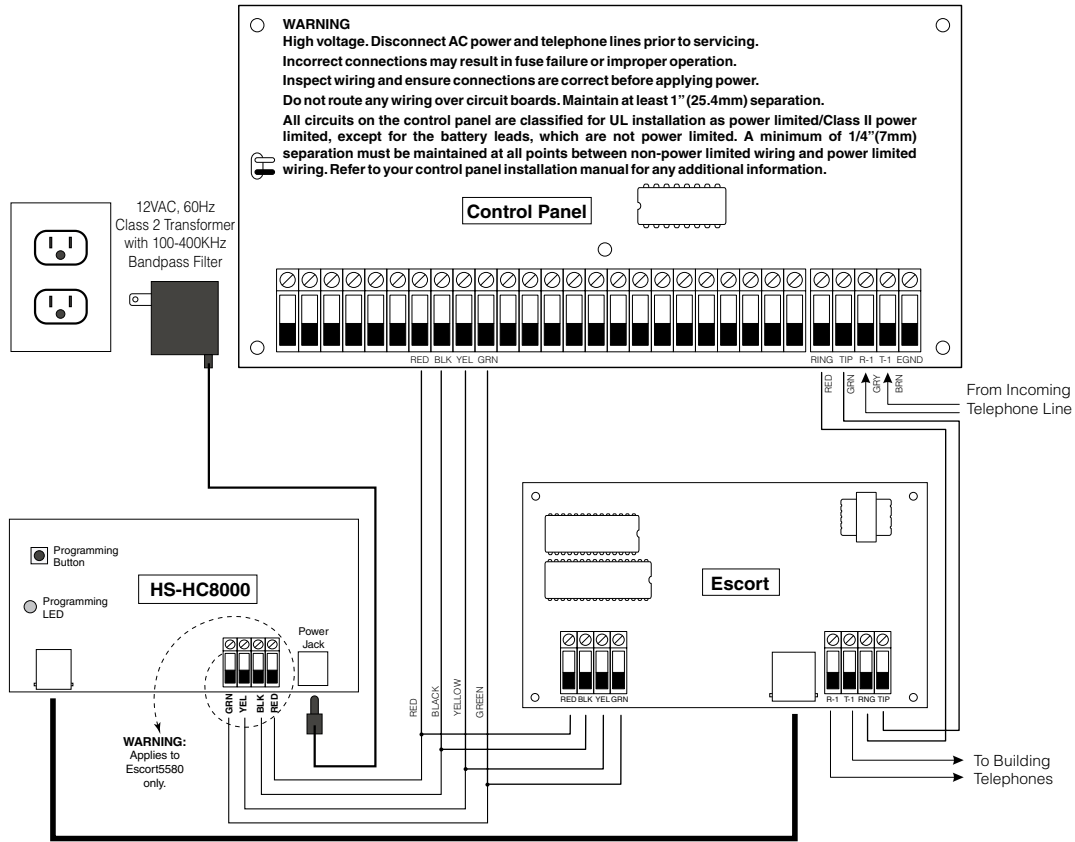
The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Digital Security Controls Ltd. Digital Security Controls Ltd. neither assumes responsibility for, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

In no event shall Digital Security Controls Ltd. be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

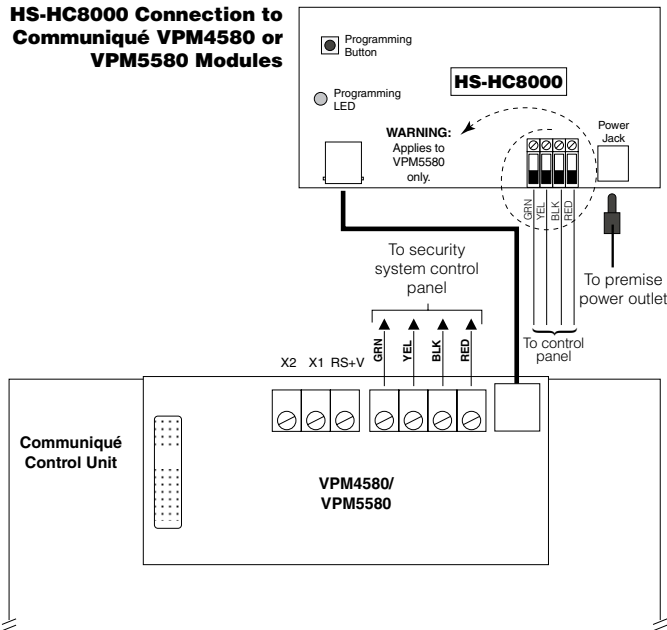
Warning: Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

IMPORTANT INFORMATION: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void the user's authority to operate this equipment.

HS-HC8000 Connection to Security Control Panel & Escort 4580 or Escort5580 Modules



HS-HC8000 Connection to Communiqué VPM4580 or VPM5580 Modules



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 generates and uses radio frequency energy and if not installed and used properly, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for Class B devices in accordance with the specifications in Subpart "B" of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in any residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to television or radio 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
- Relocate the alarm control with respect to the receiver
- Move the alarm control away from the receiver
- Connect the alarm control into a different outlet so that alarm control and receiver are on different circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the FCC helpful: "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.

NOTE: The HS-HC8000 is UL Listed for supplementary signalling only. No standby battery is provided. All devices on the system are UL Listed (e.g., CBus modules, security panels, Escort, VPM, etc.)



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