HS2LED/HS2ICN(P)(RF)x/HS2LCD(P)(RF)x v1.3

安装说明书

警告：请参阅 PowerSeries Neo 参考手册，了解有关产品使用和功能限制的信息以及制造商责任限制的信息。

注意：这些说明书必须结合与此设备相关的主机系统安装手册一起使用。本安装手册应用于以下型号：HS2LED, HS2ICN, HS2ICNP, HS2ICNRFx, HS2ICNRFPx, HS2LCD, HS2LCDP, HS2LCDRFx 和 HS2LCDRFPx; x = 9 时，系统操作频率为 912-919MHz； x =8 时，系统操作频段频率为 868MHz； x = 4 时，系统操作频段频率为 433MHz。根据针对 II 类 2 级设备的 EN50131-1:2006 + A1:2009, EN50131-3:2009 标准，HS2LED、HS2LCD(P)、HS2ICN(P)、HS2LCDRF(P)8 和 HS2ICNRF(P)8 型号的键盘已由 Telefication 进行认证。

From Tyco Security Products

29010298R001

感应 (Prox) 标签支持 （HS2ICNP/HS2ICNRFP/HS2LCDP）

感应标牌可执行任何通常需要用户接入密码或激活可设置输出之后才能执行的键盘功能。通过感应标牌阅读器 (◎，或键盘液晶屏左侧刷感应标牌。

分配感应标签

使用 LCD 键盘：
1. 按 [*][5][主密码 / 监控人员密码]。
2. 输入 4 位数用户密码。
3. 按下 2。
4. 通过键盘标签阅读器附近的注册标签。

删除感应标签

要删除感应标签，选择以前提到的用户。刷关联的感应标签。告警系统识别此标签。出现提示时，按 [*] 删除。

LED 光条

在 HS2ICNP/HS2ICNRFP/HS2LCDP 键盘上，蓝色 LED 光条表示感应标签即将到来。
- 当键盘正在读取有效的感应标签时， LED 光条闪烁三次。
- 如果感应标签无效， LED 光条一直发亮，键盘会发出错误提示音。
- LED 光条的亮度在 [*][6] 菜单中是可调的。当修改背景光亮度时，也会相应更改 LED 光条的亮度。

正在下载

HS2LCDRF/HS2ICNRF 产品可以通过 DLS V 来进行设置。这可以自动检测键盘类型并下载相应的设置。

无线设备设置和编程 (HS2ICNRF(P)x/HS2LCDRF(P)x)

本节介绍如何在报警主机上注册和设置无线装置，如触点、运动传感器和报警器等。

[804][000] 注册无线设备

1. 一旦在报警主机上安装并注册了 HSM2HOST，便可以使用以下方式注册无线设备：输入安装程序设置段号 [804][000]：
2. 出现提示后，激活设备 （参见设备安装表）立即注册或输入设备 ID 号。执行后者可预注册设备，然后稍后在客户现场注册它们。

报警主机决定正在注册的设备类型，并显示相应的设置选项。

表 4：无线设备选项

设备类型	设置选项
防区	(01) 防区类型 (02) 子系统分配 (03) 防区标签
无线键	(01) 子系统分配 (02) 用户标签
报警器	(01) 子系统分配 (02) 报警器标签
中继器	(01) 中继器标签

3. 使用滚动键或键入对应号码来选择选项。
4. 滚动浏览可用的选择，并根据情况键入号码或输入文本。
5. 按 [*] 接受并移动到下一选项。
6. 一旦配置所有选项，系统就会提示您注册下一设备。
7. 重复上述的步骤，直到注册了所有无线设备。

注意：通过 [804][911] 修改设备可以修改上述所列的配置选项。

[804][001]-[716] 无线设备配置

要配置无线设备：
1. 输入安装程序设置段号 [804]，然后选择下列一个子段：

表 5：无线防区子段

子段	说明
001-128	配置无线防区
551-556	配置无线报警器
601-632	配置无线键
701-716	配置无线键盘

2. 使用滚动键选择要配置的设备，或输入热键，直接进入特定的设备。
3. 使用滚动按钮或输入热键为设备选择配置选项。详情请参见设备表。
4. 按 [*] 接受并移动到下一选项。
5. 一旦配置了所有选项，系统会返回到基本配置菜单。

重复上述的步骤，配置其他无线设备。

[804][801] 射频干扰探测

打开或关闭射频干扰探测 （继续干扰无线网的传输）。此选项打开时，记录并报告射频干扰。

要配置射频干扰：
1. 输入安装程序设置段号 [804][801]。
2. 滚动或输入热键，选择下面一个选项：

表 6：干扰探测选项

00	启用 / 关闭	启用 / 关闭干扰探测和报告 注：必须为 UL/ULC 认证的安装启用此选项。
01	美国 UL 20/20	射频干扰持续 20 秒
02	欧洲 EN 30/60	60 秒内累计的干扰为 30 秒
03	英国第 6 类 30/60	符合 EN (30/60) 时，只有当干扰时长超过 5 分钟时才会报告

3. 按 [*] 接受选择。
4. 按下 [#] 退出此部分。

[804][802] 无线监控窗口

此选项用来设置生成故障前系统中没有此无线设备的时长。

注意：对于 EN 安装，必须选择 1 小时或 2 小时。

当使用选项 06，检测到系统中 24 小时没有此设备后，为系统配置生成故障条件时，在关闭 200 秒监控切换选项最长 18 小时后，烟感器会生成故障情况。

要设置无线监控窗口：
1. 输入安装程序设置段号 [804][802]。
2. 滚动或输入热键，选择下面一个选项：

表 7：无线监控窗口选项

00	启用 / 关闭
01	1 小时后
02	2 小时后
03	4 小时后
04	8 小时后
05	12 小时后
06	24 小时后

安装说明书

HS2LED/HS2ICN(P)(RF)x/HS2LCD(RF)(P)x 键盘兼容 PowerSeries Neo HS2016/32/64、 HS2016-4 和 HS2128 主机。RF 键盘组合了无线收发器和各自的 HS2 键盘。

规格

- 温度范围：-10°C 至 +55°C (14°F 至 131°F)；
- 湿度 （最大值）：相对湿度 93%，无冷凝
- 塑料外壳防护等级：IP30, IK04
- 电压额定值：13.8VDC 额定值 （兼容主机提供的电源）
- 通过 4 根电线连接到主机 Corbus
- 1 个可配置的防区输入或 PGM 输出 *
- S2LED/ HS2ICN(P)/HS2LCD(P)/HS2ICNRF(P)/ HS2LCDRF(P) 电流消耗：55mA(最小值)/105mA (最大值)
- 壁挂式防拆装置
- 5 个可编程功能键
- 就绪 （绿灯）、布防 （红灯）、故障 （黄灯）和 AC （绿灯）
- 尺寸 （长 x 宽 x 深）：168mm x 122mm x 20 mm
- 重量：260g
- 低温度传感器
- 频率：433 MHz (HS2ICNRF4/HS2LCDRF4)
- 868 MHz (HS2ICNRF8/HS2LCDRF8)
- 912-919MHz (HS2ICNRF9/HS2LCDRF9)
- 高达 128 个无线防区

** 此防区不能设置为消防类型或 24 小时类型。*

注意：键盘不包含可维修的部件。

拆箱

键盘包装包括以下内容：

HS2LED/ICN(RF)/LCD(RF)	HS2ICN(RF)P/LCD(RF)P
• 1 个键盘	• 1 个键盘
• 4 个安装螺丝	• 4 个安装螺丝
• 2 个线末 (EOL) 电阻器	• 2 个线末 (EOL) 电阻器
• 键盘内门标签	• 键盘内门标签
• 1 个防拆开关	• 1 个防拆开关
• 安装说明书	• 安装说明书
	• 迷你感应 (prox) 标签 (MPT)

表 1：兼容设备

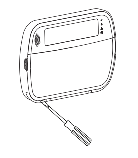
无线 PG 烟感器	PGx926UL
无线 PG 温感烟感器	PGx916UL
无线 PG 一氧化碳探测器	PGx913
无线 PG 被动红外运动探测器	PGx904(P)UL
无线 PG 被动红外 + 摄像头运动探测器	PGx934(P)UL
无线 PG 窗帘运动探测器	PGx924UL
无线 PG 双技术运动探测器	PGx984(P)
无线 PG 镜子运动探测器	PGx974(P)UL
无线 PG 户外运动探测器	PGx994UL
无线 PG 玻璃破碎探测器	PGx912
无线 PG 震动探测器	PGx935UL
无线 PG 水警探测器	PGx985UL
无线 PG 感温探测器 （室内）	PGx905UL
户外温度探头 （要求 PGx905）	PGTEMP-PROBE
无线 PG 键	PGx939UL
无线 PG 键	PGx929UL
无线 PG 应急键	PGx938UL
无线 PG 2 按钮键	PGx949UL
无线 PG 室内报警器	PGx901UL
无线 PG 室外报警器	PGx911UL
无线 PG 中继器	PGx920UL
无线 PG 门磁 / 窗磁	PGx975UL
无线 PG 门磁 / 窗磁，有辅助装置	PGx945UL
注意：在这个图标中，型号中 x 表示设备的工作频率，如下所示：9 (912-919 MHz)、 8 (868MHz) 和 4 (433MHz)。	

安装

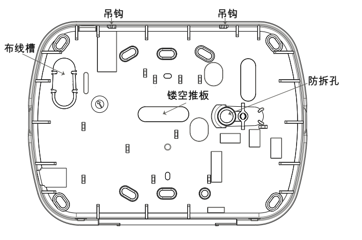
将键盘安装在可接入出入口指定点的位置。一旦选择了一个干燥、安全的位置，则执行以下步骤来安装键盘。

拆卸键盘

1. 将平头起子的尖端插入键盘底部左侧和右侧的插槽。
2. 轻轻撬开面板。这样将会拆卸它并可以再次进行安装。



安装键盘和为键盘接线



1. 通过安装孔将键盘固定在墙上。 如果不安装在单一接线盒上，则使用所给的 4 个螺丝。如果在石膏板上安装此装置，则使用所给的塑料锚栓。
2. 如果使用防拆键盘，则采用螺丝将防拆面板固定在墙上。
3. 通过接线槽或穿眼布线。将 Corbus 和 PGM/ 防区接线与键盘连接。将防拆开关安放在背板上的防拆孔中。
4. 将键盘放置在背板上，确保接线尽可能被压在墙上。 在键盘内布线，确保可避免较高的组件。紧紧关上前部组件，确保从下面接线不会压到键盘。

注意：如果发现前部键盘组件和接线之间有任何张力，则打开键盘，重新布线并再次关闭它。重复这些步骤，直到正确关闭键盘。

3. 按 [*] 接受选择。
4. 按下 [#] 退出此部分。

对于 UL 住宅消防 （UL985）安装，监控窗口的最大值可设为 200 秒。

对于 UL 商务防盗 （UL1610/UL365）和 ULC 住宅消防 （ULC-S545）安装，监控窗口的最大值应设为 4 小时。

[804][810] 无线选项 1

要设置无线选项：
1. 输入安装程序设置段号 [804][810]。
2. 滚动或输入热键，选择下面一个选项：

表 8：无线选项

01	射频怠工	开：如果有无线监控故障，系统将不能布防。生成射频怠工故障。 关：无线监控故障不会妨碍布防。
02	无线监控 / 射频干扰报警	开：如果离开布防期间发生监控或干扰故障，报警器会激活并记录和报告此事件。 关：离开布防期间监控或射频干扰故障不会激活报警器或进行记录和报告。
03	防拆模块	开：记录并报告防拆模块。 关：不会记录或报告防拆模块。
04	消防监控	开：每 200 秒可监控消防设备。如果设备无法在此窗口中报告，就会生成监控故障。 关：消防设备遵循 802 段设置的监控窗口，最大值为 18 小时。通过更高值设置监控窗口，但 18 小时后，这些探测器仍然发送故障。

3. 按 [*] 接受选择，按 [#] 退出。

[804][841] 视觉验证设置

要设置无线选项：
1. 输入安装程序设置段号 [804][841]。
2. 滚动或输入热键，选择下面一个选项：

表 9：视觉验证子段

001	视觉验证	开：报警触发被动红外摄像头的图像捕捉 关：报警不会触发被动红外摄像头的图像捕捉
002	查看时间窗口	01 报警 + 5 分钟 02 报警 + 15 分钟 03 报警 + 1 小时
003	查看其他告警	01 启用 / 关闭消防键 02 启用 / 关闭求救键 03 启用 / 关闭医疗键 04 启用 / 关闭应急键

[804][901]-[905] 删除无线设备

要删除无线设备：
1. 输入安装程序设置段号 [804]，然后选择下列一个子段：

表 10：模块标签子段

子段	说明
901	删除无线防区设备
902	删除无线键
903	删除报警器

表 10：模块标签子段

904	删除中继器
905	删除键盘

2. 使用滚动键选择要删除的设备，或输入热键，直接进入特定的设备。
3. 按 [*] 删除或按 [#] 退出。

[804][921]-[925] 更换无线设备

通过此选项，采用同一类型的另一设备更换系统上注册的故障设备，同时保持原有配置。无需删除故障设备。

要更换无线设备：
1. 输入安装程序设置段号 [804]，然后选择下列一个子段：

表 11：更换设备子段

子段	说明
921	更换无线防区设备
922	更换无线键
923	更换报警器
924	更换中继器
925	更换键盘

2. 按 [*] 选择子段。显示第一个可用设备。
3. 使用滚动键选择要更换的设备，或输入热键，进入特定的设备。

按 [*]。出现提示后，激活设备 （完全注册）或输入设备 ID （预注册）。显示确认注册消息。

[804][990][001 - 005] 显示所有设备

使用本节查看系统上注册的无线设备并查看与每个设备相关的序列号。

要查看无线设备信息：
1. 输入安装程序设置段号 [804][990]，然后选择下列一个子段：
   - [001] - 所有防区
   - [002] - 中继器
   - [003] - 报警器
   - [004] - 无线键
   - [005] - 键盘
2. 按 [*] 选择无线设备类型。显示第一个可用设备。
3. 使用滚动键查看注册的设备。

注意：LED 和 ICON 键盘不会完全支持此选项。

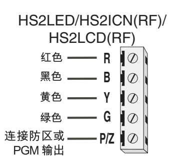
[904] 安置测试无线设备 (LCD)

本测试用来确定无线设备的射频信号状态，且在系统键盘或个人设备上可执行此测试。这些说明适用于通过键盘的测试。如需了解设备安置测试的说明，请参阅无线设备提供的安装说明。可提供下列测试模式：

表 12：无线设备安置测试模式

001-128	测试无线防区	测试单独通过防区的无线设备。
520	测试所有中继器	测试每个注册的无线中继器。 521-528 分别对应中继器 1-8
550	测试所有报警器	测试每个注册的无线报警器。 551-556 分别对应报警器 1-16
600	测试所有无线键	测试单个无线键。在本节中，按下无线键按钮可开始测试。 601-632 分别对应无线键 1-32。
700	测试所有键盘	测试每个注册的键盘 701-716 分别对应键盘 1-16

布线



1. 为这个装置布线前，确保连接主机的所有电源 （AC 变压器和电池）都是断开的。
2. 将主机的红、黑、黄和绿四种Combus电线与键盘端子相连接。请参考此简图：
3. 如果此防区设置为输入，门磁等设备可以连接到此键盘的 ‘P/Z’ 端子。这样就无需为此设备将线路引回主机。要连接防区，将设备的一条接线连接到 ‘P/Z’ 端子，其他接线连接到 B （黑色）端子。对于供电设备，将红线连接到 R（正极）端子，黑线连接到 B （负极）端子。如果使用线末监控，则按照 PowerSeries Neo参考手册中介绍的一个配置连接防区。

注意：对于 UL/ULC 安装，防区输入是受监控的类型（SEOL/ DEOL）。监控电阻器为 5600Ω。如果没有使用 EOL 监控，互联设备所需要的最大距离有3英尺。只能使用符合UL/ULC 认证的设备。

注意：与此输入触点连接的这个初始装置不用于医疗或消防应用。

4. 如果 ‘P/Z’ 端子设置为输出，正极供电电压和 ‘P/Z’ 端子 （最大负载为 50mA）之间可连接小型继电器 （如 DSC 型号 RM-1 或 RM-2）或报警器或其他 DC 供电的装置。

通电

一旦完成所有接线，至少使用两个螺丝就可以将此设备固定在大楼结构上，然后接通主机电源：
1. 连接电池引线与电池。
2. 连接 AC 变压器。

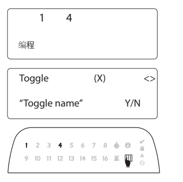
如需了解有关主机电源规格的更多信息，请参见 PowerSeries Neo 的参考手册。

设置键盘

1. 按 [*][8][安装人员代码]。
2. 使用 [<][>] 键浏览菜单或输入分段号码直接跳到具体部分。

设置包含在每段之间或通过填写数据字段来切换选项。按下键盘上相应的数字，可启用或关闭切换选项。例如，要启用切换选项 1 和 4，按 [1] 和 [4] 键。显示所有启用的选项 （见下图）。

1. 要输入数据，使用 [<][>] 键选择字符，然后按键盘按键输入数字 / 字母。
2. 使用 [<][>] 键，滚动至下一个字符并重复步骤。如需了解输入十六进制数据的更多信息，请参见 PowerSeries Neo 的参考手册。



语言设置

输入 [000][000]。输入所需语言对应的 2 位数字：

表 2： 语言

01 = 英语 （默认）	10 = 德语	20 = 罗马尼亚语
	11 = 瑞典语	21 = 俄语
02 = 西班牙语	12 = 挪威语	22 = 保加利亚语
03 = 葡萄牙语	13 = 丹麦语	23 = 拉脱维亚语
04 = 法语	14 = 希伯来语	24 = 立陶宛语
05 = 意大利语	15 = 希腊语	25 = 乌克兰语
06 = 荷兰语	16 = 土耳其语	26 = 斯洛伐克语
07 = 波兰语	17 = FFU	27 = 塞尔维亚语
08 = 捷克语	18 = 克罗地亚语	28 = 爱沙尼亚语
09 = 芬兰语	19 = 匈牙利语	29 = 斯洛文尼亚语

注册键盘

键盘可以手动或自动注册。在这两种情况下，此装置的序列号可用作一个标识符。

注意：如果系统上没有注册的键盘，一旦接通电源，键盘将显示此消息：按任意键进行注册。然后可以通过第一个键盘注册其他键盘。使用以下注册选项之一：

[902][000] 自动注册

当选择此模式时，键盘上会显示当前注册的键盘总数。
1. 输入 [902][000] 开始自动注册新的键盘。 注册每个装置时，键盘会显示型号类型、序列号和插槽分配。可以将这些键盘分配到下一个可用插槽。

[902][001] 手动注册

要手动注册单个键盘：
1. 输入 [902][001] 或使用 [<][>] 键并按下 [*]。
2. 出现提示时，输入此装置背面找到的键盘序列号。
3. 如果收到无效序列号，则发出错误提示音。一旦注册，便会显示设备型号、序列号和插槽分配。可以将这些键盘分配到此设备的下一个可用插槽中。可以使用 [<][>] 键更改插槽分配。
4. 要取消模块注册，按 [#]。

注意：一旦注册的设备数目达到了最大值，就会发出错误提示音并显示警告消息。

[902][002] – 模块槽分配 (LED、 LCD、 ICON)

这部分用于更改注册模块中的插槽号。要更改插槽号：
1. 输入 [902][002] 或使用 [<][>] 键并按下 [*]。
2. 输入模块的序列号。
3. 出现提示时，输入新的两位数插槽号。 使用新的插槽分配替换之前的。如果输入无效插槽号，则发出错误提示音。

[902][003] 模块槽分配 （仅 LCD 键盘）

这部分与 [002] 类似，也用于更改模块的插槽号。然而使用此选项时，无需序列号。要更改插槽号：
1. 输入 [902][003] 或使用 [<][>] 键并按下 [*]。
2. 使用 [<][>] 键定位模块，然后按 [*] 选择。
3. 输入新的两位数插槽号。 使用新的插槽分配替换之前的。如果输入无效插槽号，则发出错误提示音。

[902][101] 取消键盘注册

1. 输入 [902][101] 或使用 [<][>] 键并按下 [*]。
2. 使用 [<][>] 键滚动至要删除的特定键盘。
3. 按 [*] 选择模块，出现提示时，再次按 [*] 删除它。

[903][101] 确认键盘

为了确认注册单个键盘并实际定位它们，执行下列步骤：
1. 输入 [903][101] 或使用 [<][>] 并按下 [*]。
2. 使用 [<][>] 键滚动至适当键盘。在键盘上显示此模块的序列号和插槽号，此设备的状态指示灯闪烁。
3. 要确认键盘，按 [*]。如果确认时中断了与此模块的通信，警告消息会显示 1 秒钟，然后退出此部分。

为键盘分配子系统

如果要求监控或键盘防区，则必须为键盘分配子系统。每个键盘必须各自完成键盘分配和键盘选项设置。

在系统上安装每个键盘时：
1. 按 [*][8][安装人员代码]。
2. 输入 [861]-[876] 进行键盘设置和键盘子系统掩码，对应键盘的 1-16。
3. 按下 [*] 进行子系统分配。
4. 输入 01-08 进行子系统分配或使用 [<][>] 键滚动至特定键盘。如果未使用子系统，输入 [01]。对于全局键盘，则输入 [00]。
5. 按两次 [#] 退出设置。
6. 继续每个键盘的这一程序，直到所有键盘都已经分配到正确的子系统。

产生了两个测试结果：
- 24 小时：24 小时内信号强度的平均测试结果。
- 现在：当前测试的信号状态结果。

在测试过程中，不断收到指示数据的就绪和布防指示灯的闪烁。不断闪烁的故障指示灯表示射频干扰。可能会显示以下状态的指示灯：

表 13：无需设备状态指示灯

LCD	状态	中继器 [905]
强	信号强度强	中继器 1
良好	信号强度良好	中继器 2
差	信号强度差	中继器 3
单向	此设备仅在单向模式中运行。报警主机不能配置或控制此设备	中继器 4
不测试	如果没有进行测试，则显示为 “ 现在 ” 结果。	中继器 5
无	测试无线键时，始终显示为 24 小时结果。	中继器 6

注意：对于 UL/ULC 安装，只有 “ 强 ” 信号等级是可以接受的。

故障排除

1. 当尝试为无线设备分配防区号时，键盘会发出一声长哔哔声。
   - 确保键盘与 Corbus 正确连接。
2. 输入无线设备的 ESN 后，键盘不显示该防区的状态。
   - 确保已正确输入 ESN。
   - 确保为子系统启用了此防区 （如果使用了子系统设置）。
   - 确保无线防区没有分配给 HSM2108 模块使用的防区、板载防区或键盘防区。
   - 确保为防区设置了操作而不是 “ 无操作 ”。模块安置测试可接受 “ 差 ” 或无结果。
   - 验证您正在测试正确的防区。
   - 验证设备在键盘范围内。尝试测试与接收器在同一房间内的设备。
   - 确定键盘与 Corbus 正确连接。
   - 检查防区已正确测试。参阅该设备附带的说明书。
   - 检查电池是否运行，安装是否正确。
   - 检查可能会阻止信号到达键盘的大型金属物体。
   - 必须固定此设备，以获得一致的 “ 良好 ” 结果。如果多个设备显示 “ 差 ” 结果，或者如果应急悬挂按钮和无限键操作不一致，可移动接收器。

注：

设置标签 （仅 LCD 键盘）

1. 按 [*][8][安装人员代码]。
2. 按 [*] 和使用 [<][>] 键滚动至 “ 防区标签 ”，并再次按 [*]。显示第一防区。另外，输入 [000][001]。
3. 使用 [<][>] 键滚动到要设置的防区标签，并按 [*] 或输入防区编号 （如 001 表示防区标签 1）。
4. 使用 [<][>] 键滚动至所需的字符位置。
5. 输入对应字符组的次数，直到显示所需的字符 （见下表）。例如，按 “2” 键 3 次可输入字母 “F”。按 “2” 键 4 次可输入数字 “2”。按 [*]，然后滚动到 “ 保存 ”。再次按下 [*] 保存标签。要删除字符，请使用 [<][>] 键将光标移动到此字符下，并按 [0]。如果按除 [<][>] 之外的任何键后，再按 [0]，光标从一个空格移动到其右侧，然后删除此字符。

[1] - A, B, C, 1	[5] - M, N, O, 5	[9] - Y, Z, 9, 0
[2] - D, E, F, 2	[6] - P, Q, R, 6	[0] - 空格
[3] - G, H, I, 3	[7] - S, T, U, 7	[*] - 选择
[4] - J, K, L, 4	[8] - V, W, X, 8	[#] - 退格键

CHANGE CASE - 从下一个字母输入开始，将在大写字母 (A, B, C...) 和小写字母 (a, b, c...) 之间进行切换。

ASCII ENTRY - 用来输入生僻字。无效输入范围从 000 至 255。使用 [<][>] 键滚动浏览字符或输入 000-255 的 3 位数。按 [*] 键将字符输入到标签。

CLEAR TO END - 清除从光标所在的字符到末尾显示的显示内容。

CLEAR DISPLAY - 清除整个标签。

6. 从第 2 步开始继续操作，直到设置完所有标签。

标签库

当设置标签时，标签库是常用词汇的数据库。可按需合并单个词汇 （例如 前 + 门）。每行 最多可显示 14 个字符。如果一行显示不下一个词，则向右滚动光标至第二行第一个字符处再添加该词。

使用标签库设置定制标签：
1. 按 [*][8][安装人员代码][000][001]。
2. 输入 [001]（为防区 01 设置标签），或使用 [<][>] 键滚动至防区标签，然后按 [*]。为此防区显示当前的标签名称。
3. 按 [*] 打开菜单。
4. 再次按下 [*] 选择 “Word Entry” 选项。
5. 输入一个词所对应的 3 位数编码 (见 “ 词库 ”) 或使用 [<][>] 键查看库中词汇。
6. 按下 [*] 选择该词。
7. 要添加另一个词，请重复步骤 3 之前的步骤。
8. 要添加空格，请按向右导航键 [>]。
9. 要清除字符，从菜单中选择 “Clear to End” 或 “Clear Display”。
10. 按下 [*] 保存当前标签并退出。

广播 LCD 标签

如果系统中存在多个 LCD 键盘，确认更改后，将为所有其他 LCD 键盘播放一个键盘上所设置的标签。

更改亮度 / 对比度 / 报警器

LCD 键盘
1. 按 [*][6][主密码]。
2. 使用 [<][>] 键滚动进行亮度控制、对比度控制或报警器控制。
3. 按 [*] 选择以下各项设置：
   - 亮度 /LED 光条控制：提供 15 个背景灯亮度级别。
   - 对比度控制：提供 15 个不同的显示对比度级别。
   - 报警器控制：提供 15 个不同的报警器控制级别。
4. 使用 [<][>] 键滚动至所需的设置。

键盘设置

1. 按 [*][8][安装人员代码]。
2. 选择下面确定的一个设置选项。

[860] 键盘插槽号

不适合设置，显示两位数的插槽号，仅供参考。

[861]-[876] 键盘设置段

[000] 子系统的地址

要求 2 位数条目将键盘分配给子系统。输入 00 分配键盘为全局布防。有效输入范围为 00-32。默认值为 01。备注：LED 和 ICON 键盘不能作为全局键盘进行编程。

[001]-[005] 键盘功能键设置

要设置功能键：
1. 按 [*][8][安装人员代码]。
2. 输入 [861]-[876] 进行键盘设置。
3. 输入 [001]-[005] 对应功能键 1-5 或使用 [<][>] 键并按下 [*]。
4. 输入 2 位数分配功能键操作 - [00]-[68]。参见下表。
5. 从第 3 步开始重复操作，直到设置完所有功能键。
6. 按两次 [#] 退出安装程序。

[001]-[005] 功能键分配

	功能键	按钮	有效范围	默认值	功能
[001]	按键 1		00-68	03	留守布防
[002]	按键 2		00-68	04	离开布防
[003]	按键 3		00-68	06	报时开 / 关
[004]	按键 4		00-68	22	命令输出 2
[005]	按键 5		00-68	16	快速退出

键盘功能键

请参阅您的系统安装手册，获得可用功能键选项的整个清单。

[00] - 空
[02] - 即时留守布防
[03] - 留守布防
[04] - 离开布防
[05] - [*][9] 无进入布防
[06] - [*][4] 报时开 / 关
[07] - [*][6][---][4] 系统测试
[09] - 夜间布防
[12] - 全局留守布防
[13] - 全局离开布防
[14] - 全局撤防
[16] - [*][0] 快速退出
[17] 布防内部防区
[21] - [*][7][1] 命令输出 1
[22] - [*][7][2] 命令输出 2
[23] - [*][7][3] 命令输出 3
[24] - [*][7][4] 命令输出 4
[29] - 旁路群恢复
[31] - 本地 PGM 激活
[32] - 旁路模式
[33] - 旁路恢复
[34] - 用户设置
[35] - 用户功能
[37] - 时间和日期设置
[39] - 故障显示
[40] 报警存储器
[61]-[68] - 子系统选择 1-8

[011] 键盘输入 / 输出设置

防区或 PGM 编号 默认值 000

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警告 : DSC 推荐对整个系统定期进行系统检测。但是，即使频繁检测，因为 （但不限制于）非法入侵、电子干扰或其他原因，本软件产品仍有可能运行不正常。

[012] 本地 PGM 输出脉冲激活时间

分钟 (00-99) 秒钟 (00-99)

[021] 第一个键盘选项

默认		选项	开	关
开		1	启用消防键	关闭消防键
开		2	启用医疗键	关闭医疗键
开		3	启用应急键	关闭应急键
开		4	设置时显示门禁密码	设置门禁密码时显示 X

[022] 第二个键盘选项

默认		选项	开	关
开		1	本地时钟显示开	本地时钟显示关
关		2	本地时钟显示 24 小时	时钟显示上午 / 下午
开		3	自动报警内存滚动开	自动报警内存滚动关
开		4	以备将来使用	以备将来使用
关		5	启用电源指示灯	关闭电源指示灯
开		6	电源指示灯指示 AC 存在开	电源指示灯指示 AC 存在关
开		7	布防时显示报警	布防时不显示报警
关		8	自动滚动撤防防区开	自动滚动撤防防区关

[023] 第三个键盘选项

默认		选项	开	关
关		1	布防指示灯省电模式	睡眠模式时布防指示灯关
开		2	键盘状态显示留守布防	键盘状态显示留守 / 离开布防
关		3	第 5 个端子是键盘 PGM 输出	第 5 个端子是键盘防区输入
开		4	感应标牌会进行布防 / 撤防	感应标牌不进行布防 / 撤防
关		7	本地显示温度	无本地显示温度
关		8	低温警告已启用	低温警告已关闭

[030] 已下载 LCD 消息

第 22 節，選項 [1] 本地时钟显示必须启用。

[031] 已下载 LCD 消息时长

默认值：000 （有效输入范围为 000-255， 000= 无限消息显示）

此数字为永久删除已下载消息前必须清除此消息的次数。按任意键可清除此消息。

[041] 室内温度防区分配

默认值：000 （有效输入范围为 000-128）

[042] 室外温度防区分配

默认值：000 （有效输入范围为 000-128）

[101]-[228] 1-128 防区中控

设置此键盘，使各个防区补足 4 种不同的报时声。（例如，对于防区 1，输入段 [101]；对于防区 2，输入段 [102]）。默认值：01

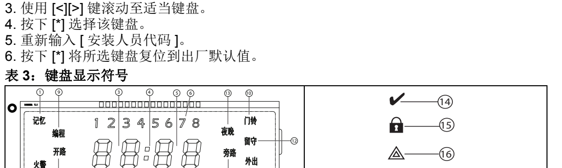
有效输入编号

01	6 声哔哔声
02	兵兵声
03	叮咚声
04	报警声 （4 秒时长）
05	防区名称

[991] 将键盘设置复位为出厂默认值

1. 按 [*][8][安装人员代码]。
2. 输入 [991]。
3. 使用 [<][>] 键滚动至适当键盘。
4. 按下 [*] 选择该键盘。
5. 重新输入 [安装人员代码]。
6. 按下 [*] 将所选键盘复位到出厂默认值。

表 3：键盘显示符号



1	记忆 - 表示存储器中的报警。	10	门铃 - 当启用中控时打开它，关闭中控时则关闭它。
2	火警 - 表示存储器中的消防报警。	11	外出 - 表示主机布防为离开模式。
3,4, 5	时钟数字 - 这些数字指示本地时钟激活时的小时和分钟，并且当 OPEN 或 ALARM 图标激活时，还可识别防区。当滚动浏览防区时，这些数字每秒滚动一个防区，从最低防区号码向最高号码滚动。	12	留守 - 表示主机布防为留守模式。
		13	夜晚 - 表示主机布防为夜间模式。
6	1-8 - 这些数字显示切换，当需要时，它们可以显示为二进制数字。	14	就绪指示灯 （绿灯）- 如果就绪指示灯亮，系统准备布防。
7	旁路 - 表示有自动或手动绕过的防区。	15	布防指示灯 （红灯）- 如果布防指示灯亮，系统已经成功布防。
8	开路 - 当撤防一些防区时，该图标将发亮，并显示撤防防区。	16	系统故障 - 表示系统故障是激活的。
9	编程 - 如果安装人员或用户正在设置此系统或键盘繁忙，此图标会闪烁。如果接入星号菜单时要求接入密码，此指示灯会一直发亮，表示需要密码。	17	AC - 表示 AC 显示在主机上。

词库

条目号	文本	条目号	文本	条目号	文本	条目号	文本	条目号	文本	条目号	文本
001	Aborted	041	Communicator	081	Front	121	Memory	161	Screen	201	7
002	AC	042	Computer	082	Furnace	122	Menu	162	Second	202	8
003	Access	043	Control	083	Gallery	123	Monoxide	163	Sensor	203	9
004	Active	044	Date	084	Garage	124	Mother’s	164	Service	204	A
005	Activity	045	Daughter’s	085	Gas	125	Motion	165	Shed	205	B
006	Alarm	046	Degrees	086	Glass	126	No	166	Shock	206	C
007	All	047	Delay	087	Goodbye	127	North	167	Shop	207	D
008	AM	048	Den	088	Gym	128	Not	168	Side	208	E
009	Area	049	Desk	089	Hallway	129	Now	169	Siren	209	F
010	Arm	050	Detector	090	Heat	130	Number	170	Sliding	210	G
011	Armed	051	Dining	091	Hello	131	Off	171	Smoke	211	H
012	Arming	052	Disarmed	092	Help	132	Office	172	Son’s	212	I
013	Attic	053	Door	093	High	133	OK	173	Sound	213	J
014	Auxiliary	054	Down	094	Home	134	On	174	South	214	K
015	Away	055	Download	095	House	135	Open	175	Special	215	L
016	Baby	056	Downstairs	096	In	136	Opening	176	Stairs	216	M
017	Back	057	Drawer	097	Install	137	Panic	177	Stay	217	N
018	Bar	058	Driveway	098	Interior	138	Partition	178	Sun	218	O
019	Basement	059	Duct	099	Intrusion	139	Patio	179	Supervisory	219	P
020	Bathroom	060	Duress	100	Invalid	140	Pet	180	System	220	Q
021	Battery	061	East	101	Is	141	Phone	181	Tamper	221	R
022	Bedroom	062	Energy	102	Key	142	Please	182	Temperature	222	S
023	Bonus	063	Enter	103	Kids	143	PM	183	Test	223	T
024	Bottom	064	Entry	104	Kitchen	144	Police	184	Time	224	U
025	Breezeway	065	Error	105	Latchkey	145	Pool	185	To	225	V
026	Building	066	Exercise	106	Laundry	146	Porch	186	Touchpad	226	W
027	Bus	067	Exit	107	Left	147	Power	187	Trouble	227	X
028	Bypass	068	Exterior	108	Level	148	Press	188	Unbypass	228	Y
029	Bypassed	069	Factory	109	Library	149	Program	189	Unit	229	Z
030	Cabinet	070	Failure	110	Light	150	Progress	190	Up	230	(Space)
031	Camera	071	Family	111	Lights	151	Quiet	191	West	231	‘ (Apostrophe
032	Canceled	072	Father’s	112	Living	152	Rear	192	Window	232	- (Dash)
033	Car	073	Feature	113	Load	153	Receiver	193	Zone	233	_(Underscore)
034	Carbon	074	Fence	114	Loading	154	Report	194	0	234	*
035	Central	075	Fire	115	Low	155	RF	195	1	235	#
036	Chime	076	First	116	Lower	156	Right	196	2	236	:
037	Closed	077	Floor	117	Main	157	Room	197	3	237	/
038	Closet	078	Force	118	Master	158	Safe	198	4	238	?
039	Closing	079	Foyer	119	Mat	159	Saver	199	5	239	
040	Code	080	Freeze	120	Medical	160	Schedule	200	6	240	

HS2LED/HS2ICON(P)(RF)X/HS2LCD(RF)(P)X V1.3 Installation Instructions

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.
NOTE: These instructions shall be used in conjunction with the system Installation Manual of the Control Panel with which this equipment is intended to be used.

PowerSeries neo

DSC
From Tyco Security Products

Introduction

The HS2LED/HS2ICN(P)(RF)x/HS2LCD(RF)(P)x keypads are compatible with the PowerSeries Neo HS2016/32/64, HS2016-4* and HS2128 panels. The RF keypads combine a wireless transceiver with the respective HS2 keypad.
*Model not UL/ULC listed.

Specifications

- Temperature range: -10°C to +55°C (14°F to 131°F); UL/ULC: 0°C to +49°C (32°F to 120°F)
- Humidity (MAX): 93%R.H. non-condensing
- Plastic enclosure protection degree: IP30, IK04
- Voltage rating: 13.8Vdc nominal (power provided by the compatible control panel)
- Connects to control panel Corbus via 4 wires
- 1 configurable zone input or PGM output*
- HS2LED/ HS2ICN(P)/HS2LCD(P)/HS2ICNRF(P) /HS2LCDRF(P) Current draw:55mA(min)/105mA(max)
- Wall-mount tamper
- 5 programmable function keys
- Ready (Green LED), Armed (Red LED), Trouble (Yellow LED), AC (Green LED)
- Dimensions (L x W x D): 168mm x 122mm x 20 mm
- Weight: 260g
- Low temperature sensor
- Frequency: 433 MHz (HS2ICNRF4/HS2LCDRF4)
- 868 MHz (HS2ICNRF8/HS2LCDRF8)
- 912-919MHz (HS2ICNRF9/HS2LCDRF9)
- Up to 128 wireless zones

Zone not to be programmed as Fire type or 24h type.
NOTE: Keypads contain no serviceable parts.

NOTE: Only models operating in band 912-919MHz are UL/ULC listed.

Unpack

The keypad package includes the following:

HS2LED/ICN(RF)/LCD(RF)	**HS2ICN(RF)P/LCD(RF)P**
1 keypad	1 keypad
4 mounting screws	4 mounting screws
2 end-of-line resistors	2 end-of-line resistors
Keypad inner door labels	Keypad inner door labels
1 tamper switch	1 tamper switch
Installation Instructions	Installation Instructions
	Mini Proximity (prox) tag (MPT)

Table 1: Compatible Devices

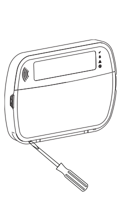
Wireless PG smoke detector	PGx926UL
Wireless PG smoke and heat detector	PGx916UL
Wireless PG CO detector	PGx913
Wireless PG PIR motion detector	PGx904(P)UL
Wireless PG PIR + camera motion detector	PGx934(P)UL
Wireless PG curtain motion detector	PGx924UL
Wireless PG dual tech motion detector	PGx984(P)
Wireless PG mirror motion detector	PGx974(P)UL
Wireless PG outdoor motion detector	PGx994UL
Wireless PG glass break detector	PGx912
Wireless PG shock detector	PGx935UL
Wireless PG flood detector	PGx985UL
Wireless PG temperature detector (indoor)	PGx905UL
Outdoor temperature probe (requires PGx905)	PGTEMP-PROBE
Wireless PG key	PGx939UL
Wireless PG key	PGx929UL
Wireless PG panic key	PGx938UL
Wireless PG 2-button key	PGx949UL
Wireless PG indoor siren	PGx901UL
Wireless PG outdoor siren	PGx911UL
Wireless PG repeater	PGx920UL
Wireless PG door/window contact	PGx975UL
Wireless PG door/window contact w/AUX	PGx945UL

NOTE: In this chart, x in the model number represents the operating frequency of the device as follows: 9 (912-919 MHz), 8 (868MHz), 4 (433MHz).

NOTE: Only models operating in the band 912-919 MHz are UL/ULC or cUL listed where indicated. Only UL approved devices are to be used with UL/ULC listed systems.

Mount the Keypad

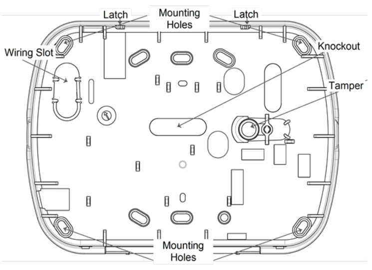
Mount the keypad where it is accessible from designated points of entry and exit. Once a dry and secure location has been selected, perform the following steps to mount the keypad.



Disassemble Keypad

Insert the tip of a flat-head screwdriver into the slots at the bottom left and right of the keypad.
Gently pry open the faceplate. This will remove it and allow access for mounting.

Mount and Wire Keypad



1. Secure keypad to wall using mounting holes. Use all four screws provided unless mounting on a single gang box. Use the plastic anchors supplied if the unit is to be mounted on drywall.
2. If using the keypad tamper, secure the tamper plate to the wall with a screw.

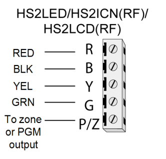
NOTE: For UL/ULC listed commercial burglary installations, the use of the keypad tamper is mandatory.

3. Run wire through wiring slot or knockouts. Connect Corbus and PGM/Zone wiring to keypad. Place tamper switch into tamper hole on backplate.
4. Place keypad into backplate, ensuring the wire is pushed back into the wall as much as possible. Route the wire inside the keypad, ensuring high components are avoided. Snap the front assembly closed, ensuring that there is no pressure to the keypad from the wire below.

NOTE: If any tension is found between the front keypad assembly and the wiring, open the keypad, reroute the wire and close again. Repeat these steps until the keypad is closed properly.

Wiring

1. Before wiring the unit, ensure that all power (AC transformer and battery) is disconnected from the control panel.
2. Connect the four Corbus wires from the control panel (red, black, yellow and green) to the keypad terminals. Refer to the diagram:



If programmed as an input, a device - such as a door contact - may be connected to the 'P/Z' terminal of the keypad. This eliminates the need to run wires back to the control panel for the device. To connect the zone, run one wire from the device to the 'P/Z' terminal and the other wire from the device to the B (black) terminal. For powered devices, run the red wire to the R (positive) terminal and the black wire to the B (negative) terminal. When using end of line supervision, connect the zone according to one of the configurations described in the PowerSeries Neo Reference manual.

NOTE: For UL/ULC installations, the zone input is a supervised type (SEOL/DEOL). The supervision resistor is 5600Ω. If no EOL supervision is used, there is a three foot maximum distance required for the connected device. Use only in conjunction with UL/ULC listed devices.

NOTE: This initiating device connected to this input contact is not to be used for medical or fire applications.

3. If the 'P/Z' terminal is programmed as an output, a small relay (such as DSC model RM-1 or RM-2) or buzzer or other DC operated device may be connected between the positive supply voltage and the 'P/Z' terminal (max.load is 50mA).

NOTE: For UL/ULC-listed installations, use UL/ULC listed devices.

Apply Power

Once all wiring is complete, and the equipment is secured to the building structure with at least two screws, apply power to the control panel:
1. Connect the battery leads to the battery.
2. Connect the AC transformer.

For more information on control panel power specifications, see the PowerSeries Neo Reference manual.

Program the Keypad

1. Press [*][8][Installer Code].
2. Use the [<][>] keys to navigate through the menus or jump directly to a specific section by entering the section number. Programming consists of toggling on and off options in each section or by populating data fields. Toggle options are enabled or disabled by pressing the corresponding number on the keypad. For example, to enable toggle options 1 and 4, press the [1] and [4] keys. All enabled options are displayed (see the following diagram).

1. To input data, use the [<][>] keys to select a character then press the keypad button for the number/letter.
2. Using the [<][>] keys, scroll to the next character and repeat the procedure. For information on entering HEX data, refer to the PowerSeries Neo Reference manual.

Language Programming

Enter [000][000]. Enter the two-digit number corresponding to the language desired:

Table 2: Languages

01 = English (default)	10 = German	20 = Romanian
	11 = Swedish	21 = Russian
02 = Spanish	12 = Norwegian	22 = Bulgarian
03 = Portuguese	13 = Danish	23 = Latvian
04 = French	14 = Hebrew	24 = Lithuanian
05 = Italian	15 = Greek	25 = Ukrainian
06 = Dutch	16 = Turkish	26 = Slovak
07 = Polish	17 = Future Use	27 = Serbian
08 = Czech	18 = Croatian	28 = Estonian
09 = Finnish	19 = Hungarian	29 = Slovenian

Enroll the Keypad

Keypads can be enrolled automatically or manually. In either case, the serial number of the device is used as an identifier.
NOTE: If there is no keypad enrolled on the system, once you power up, the keypad will display the message: Press any key to enroll. Other keypads can then be enrolled from the first keypad. Use one of the following enrollment options:

[902][000] Auto Enroll

When this mode is selected, the total number of keypads currently enrolled is displayed on the keypad.
1. Enter [902][000] to begin the auto-enrollment of new keypads. As each device is enrolled, the keypad displays the model type, serial number and slot assignment. Keypads are assigned to the next available slot.

[902][001] Manual Enroll

To manually enroll individual keypads:
1. Enter [902][001] or use the [<][>] keys and press [*].
2. When prompted, enter the serial number of the keypad found on the back of the device.
3. An error tone is sounded if an invalid serial number is received. Once enrolled, the device model, serial number and slot assignment are displayed. Keypads are enrolled into the next available slot for the device. The slot assignment can be changed using the [<][>] keys.
4. To cancel the enrollment of a module, press [#].

NOTE: Once the maximum number of devices have been enrolled, an error tone sounds and a warning message is displayed.

[902][002] – Module Slot Assignment (LED, LCD, ICON)

This section is used to change the slot number in which a module is enrolled. To change the slot number:
1. Enter [902][002] or use the [<][>] keys and press [*].
2. Enter the serial number of the module.
3. When prompted, enter the new two-digit slot number. The previous slot assignment is replaced with the new one. An error tone sounds if an invalid slot number is entered.

[902][003] – Module Slot Assignment (LCD Only)

Similarly to [002], this section is also used to change the slot number of a module. With this option, however, the serial number is not required. To change the slot number:
1. Enter [902][003] or the use the [<][>] keys and press [*].
2. Use the [<][>] keys to locate the module then press [*] to select.
3. Enter the new two-digit slot number. The previous slot assignment is replaced with the new one. An error tone sounds if an invalid slot number is entered.

[902][101] Unenroll Keypads

1. Enter [902][101] or use the [<][>] keys and press [*].
2. Use the [<][>] keys to scroll to the specific keypad to delete.
3. Press [*] to select the module and when prompted, press [*] again to delete it.

[903][101] Confirm Keypad

To confirm the enrollment of individual keypads and to locate them physically:
1. Enter [903][101] or use the [<][>] and press [*].
2. Use the [<][>] keys to scroll to the applicable keypad. The module's serial number and slot number are displayed on the keypad and the status LEDs on the device flash.
3. To confirm the keypad, press [*]. If communication with a module is lost at the time of confirmation, a warning message is displayed for 1 second before exiting the section.

Assign a Partition to the Keypad

The keypad must be assigned to a partition if supervision or keypad zones are required. Keypad assignments and keypad option programming must be done at each keypad individually.
At each keypad installed on the system:
1. Press [*][8][Installer Code].
2. Enter [861]-[876] for Keypad Programming and Keypad Partition Mask, corresponding to keypads 1-16.
3. Press [*] for partition assignment.
4. Enter 01 to 08 for partition assignment or use the [<][>] keys to scroll to the specific partition If partitioning is not used, enter [01]. For Global keypads, enter [00].
5. Press [#] twice to exit programming.
6. Continue this procedure for each keypad until all have been assigned to the correct partition.

Program Labels (LCD keypads)

1. Press [*][8][Installer Code].
2. Press [*] and use the [<][>] keys to scroll to Zone Labels and press [*] again.The first zone is displayed. Alternatively, enter, [000][001].
3. Use the [<][>] keys to scroll to the zone label to be programmed and press [*] or enter the zone number (e.g., 001, for zone label 1).
4. Use the [<][>] keys to scroll to the desired character's location, using the [<][>] keys.
5. Enter the number of the corresponding character group until the desired character is displayed (see the following table). Example, press the "2" key three times to enter the letter "F". Press the "2" key four times to enter the number "2". Press [*], then scroll to "Save". Press [*] again to save the label. To delete a character, use the [<][>] keys to move the cursor under the character, then press [0]. If any key other than [<][>] is pressed before [0], the cursor moves one space to the right and deletes that character.

[1] - A, B, C, 1	[5] - M, N, O, 5	[9] - Y, Z, 9, 0
[2] - D, E, F, 2	[6] - P, Q, R, 6	[0] - Space
[3] - G, H, I, 3	[7] - S, T, U, 7	[*] - Select
[4] - J, K, L, 4	[8] - V, W, X, 8	[#] - Escape

CHANGE CASE – Will toggle the next letter entries between upper case (A, B, C...) and lower case letters (a, b, c...).
ASCII ENTRY – Used to enter uncommon characters. Valid entries range from 000 to 255. Use the [<][>] keys to scroll through the characters or enter a 3-digit number from 000-255. Press [*] to enter the character into the label.
CLEAR TO END – Clears the display from the character where the cursor was located to the end of the display.
CLEAR DISPLAY – Clears the entire label.
Continue from Step 2, until all labels are programmed.

Label Library

The Label Library is a database of words commonly used when programming labels. Individual words can be combined as needed (e.g., Front + Door). Each line of the display supports a maximum of 14 characters. If a word will not fit on a line, scroll right until the cursor appears at the first character of the second line and then add the word.
To program a custom label using the Label Library:
1. Press [*][8][Installer Code][000][001].
2. Enter [001] (to program the label for zone 01), or use the [<][>] keys to scroll to the Zone Labels and then press [*]. The current label name is displayed for that zone.
3. Press [*] to open the menu.
4. Press [*] again to select the "Word Entry" option.
5. Enter the 3-digit number corresponding to a word (see Words Library) or use the [<][>] keys to view words in the library.
6. Press [*] to select the word.
7. To add another word, repeat the previous procedures from step 3.
8. To add a space, press the right scroll key [>].
9. To clear characters, select "Clear to End" or "Clear Display" from the menu.
10. To save the current label and exit, press [#].

Broadcast LCD Labels

If more than one LCD keypad is present on the system, labels programmed on one keypad will be broadcast to all other LCD keypads, after the change is confirmed.

Change Brightness/Contrast/Buzzer

LCD Keypads

1. Press [*][6][Master Code].
2. Use the [<][>] keys to scroll to either Bright Control, Contrast Control, or Buzzer Control.
3. Press [*] to select one of the following settings:
   - Brightness/LED Bar Control -15 backlighting levels available.
   - Contrast Control -15 display contrast levels available.
   - Buzzer Control - 15 buzzer control levels available.
4. Use the [<][>] keys to scroll to the desired setting.

Keypad Programming

1. Press [*][8][Installer Code].
2. Select one of the programming options identified in the following.

[860] Keypad Slot Number

Not for programming; the two-digit slot number is displayed for informational purposes only.

[861]-[876] Keypad Programming Sections

[000] Address of Partition

Default: 01
A 2-digit entry is required to assign the keypad to a partition. Valid entries are 00-32.
NOTE: LED and ICON keypads must not be assigned as global keypads.

[001]-[005] Keypad Function Key Programming

To program a function key:
Press [*][8][Installer Code].
1. Enter [861]-[876] for keypad programming.
2. Enter [001]-[005] for function keys 1-5 or use the [<][>] keys and press [*].
3. Enter a 2-digit number to assign a function key operation - [00]-[68]. See the following table.
4. Repeat from step 3 until all function keys are programmed.
5. Press [#] twice to exit Installer Programming.

Table 3: Function Key Assignment

	Function Key	Button	Valid Range	Default	Function	
[001]	Key 1		00–68	03	Stay Arm	____ ____
[002]	Key 2	⌂	00–68	04	Away Arm	____ ____
[003]	Key 3		00–68	06	Chime ON/OFF	____ ____
[004]	Key 4		00–68	22	Command Output 2	____ ____
[005]	Key 5		00–68	16	Quick Exit	____ ____

Keypad Function Keys

Refer to your system installation manual for a complete list of available function key options.

[00] - Null
[02] - Instant Stay Arm
[03] - Stay Arm
[04] - Away Arm
[05] - [*][9] No-Entry Arm
[06] - [*][4] Chime ON/OFF
[07] - [*][6][----][4] System Test
[09] - Night Arm
[12] - Global Stay Arm
[13] - Global Away Arm
[14] - Global Disarming
[16] - [*][0] Quick Exit
[17] - Arm Interior
[21] - [*][7][1]Command Output 1
[22] - [*][7][2]Command Output 2
[23] - [*][7][3]Command Output 3
[24] - [*][7][4]Command Output 4
[29] - Bypass Group Recall
[31] - Local PGM Activate
[32] - Bypass Mode
[33] - Bypass Recall
[34] - User Programming
[35] - User Functions
[37] - Time & Date Program
[39] - Trouble Display
[40] - Alarm Memory
[61]-[68] - Partition Select 1-8

[011] Keypad Input/Output Programming

Zone / PGM Number Default 000 |____|____|____|

[012] Local PGM Output Pulse Activation Time

|______|______| Minutes (00-99) |______|______| Seconds (00-99)

[021] First Keypad Options

Default		Opt.	ON	OFF
ON	___	1	Fire Key Enabled	Fire Key Disabled
ON	___	2	Medical Key Enabled	Medical Key Disabled
ON	___	3	Panic Key Enabled	Panic Key Disabled
ON	___	4	Display Access Code When Programming	Display Xs When Programming Access Codes

NOTE: For EN50131-1/EN50131-3 compliant systems, section [021], options 1 and 2 shall be OFF.

[022] Second Keypad Options

Default		Opt.	ON	OFF
ON	___	1	Local Clock Display ON	Local Clock Display OFF
OFF	___	2	Local Clock Displays 24-hr	Clock Displays AM/PM
ON	___	3	Auto Alarm Mem Scroll ON	Auto Alarm Mem Scroll OFF
ON	___	4	For Future Use	For Future Use
OFF	___	5	Power LED Enabled	Power LED Disabled
ON	___	6	Power LED AC Present ON	Power LED AC Present OFF
ON	___	7	Alarms Displayed While Armed	Alarms Not Displayed While Armed
OFF	___	8	Auto-Scroll Open Zones ON	Auto-Scroll Open Zones OFF

[023] Third Keypad Options

Default		Opt.	ON	OFF
OFF	___	1	Armed LED Power Save	Armed LED Off in Sleep Mode
ON	___	2	Keypad Status Shows Stay Arm	Keypad Status Shows Stay/Away Arm
OFF	___	3	5th Terminal is PGM Output	5th Terminal is Zone Input
ON	___	4	Prox Tag Will Arm/Disarm	Prox Tag Does Not Arm/Disarm
OFF	___	7	Local Display of Temperature	No Local Display of Temperature
OFF	___	8	Low Temperature Warning Enabled	Low Temperature Warning Disabled

[030] Downloaded LCD Message

|____|____|____|____|____|____|____|____|____|____|____|____|____|____|____|____|

|____|____|____|____|____|____|____|____|____|____|____|____|____|____|____|____|

NOTE: Clock display (Section [022], Option 1) must be enabled.

[031] Downloaded LCD Message Duration

Default: 000 |____|____|____| (Valid entries are 000-255, 000=Unlimited Msg Display)
This number represents the number of times the downloaded message must be cleared before it is permanently removed. This message can be cleared by pressing any key.

[041] Indoor Temperature Zone Assignment

Default: 000 |____|____|____| (Valid entries are 000-128)

[042] Outdoor Temperature Zone Assignment

Default: 000 |____|____|____| (Valid entries are 000-128)

[101]-[228] Door Chime for Zones

Default: 01 |____|____|
The keypad can be programmed to make up to four different chime sounds for individual zones. (e.g., for Zone 1, enter section [101], for Zone 2 enter section [102]).

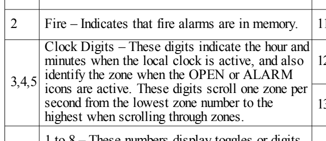
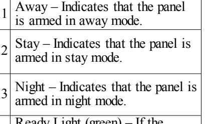
01 6 beeps
02 Bing bing tone
03 Ding dong tone
04 Alarm Tone (4s duration)
05 Zone Name

[991] Reset Keypad Programming to Factory Defaults

1. Press [*][8][Installer Code].
2. Enter [991].
3. Use the [<][>] keys to scroll to the applicable keypad.
4. Press [*] to select the keypad.
5. Re-enter [Installer Code].
6. Press [*] to reset the selected keypad to factory defaults

Keypad Symbols

Table 4: Keypad Display Symbols

			
1	Memory – Indicates that alarms are in memory.	10	Chime – Turns on when Door Chime is enabled and off when Door Chime is disabled.
2	Fire – Indicates that fire alarms are in memory.	11	Away – Indicates that the panel is armed in away mode.
3,4,5	Clock Digits – These digits indicate the hour and minutes when the local clock is active, and also identify the zone when the OPEN or ALARM icons are active. These digits scroll one zone per second from the lowest zone number to the highest when scrolling through zones.	12	Stay – Indicates that the panel is armed in stay mode.
		13	Night – Indicates that the panel is armed in night mode.
6	1 to 8 – These numbers display toggles or digits in binary while they are needed.	14	Ready Light (green) – If the Ready light is on, the system is ready for arming.
7	Bypass – Indicates that there are zones automatically or manually bypassed.	15	Armed Light (red) – If the Armed light is on, the system has been armed successfully.
8	Open – When zones are opened, this icon will turn on and the open zones are displayed.	16	System Trouble – Indicates that a system trouble is active.
9	Program – If the system is in Installer's or User's Programming, or the keypad is busy, this icon flashes. If an access code is required while accessing star menus, this LED is on steadily to indicate that the code is required.	17	AC – Indicates that AC is present at the main panel.

Proximity (Prox) Tags Support (HS2ICNP/HS2ICNRFP/HS2LCDP)

The proximity tag can perform any keypad function that would normally require a user access code or to activate a programmable output. Present the tag to the tag reader (◎) or to the left of the keypad LCD.

Assign Proximity Tags

Using an LCD keypad:
1. Press [*][5][Master/Supervisor Code].
2. Enter a 4-digit user code.
3. Press 2.
4. Pass the enrolled tag near the tag reader on the keypad.

Delete Proximity Tags

To delete a prox tag, select the user as outlined previously.Swipe the associated prox tag. The alarm system recognizes the tag. Press [*] to delete when prompted.

LED Bar

On the HS2ICNP/HS2ICNRFP/HS2LCDP keypads, a blue LED bar indicates that a prox tag is approaching.
- The LED bar flashes three times when a valid prox tag is being read by the keypad.
- If the prox tag is invalid, the LED bar stays on steadily and the keypad sounds an error tone.
- The brightness of the LED bar is adjustable from the [*][6] menu. When the backlight brightness is modified, the LED bar brightness is changed accordingly.

Downloading

The HS2LCDRF/HS2ICNRF products can be programmed over DLS V. This auto-detects the keypad type and downloads programming accordingly.

Wireless Device Setup and Programming (HS2ICNRF(P)x/HS2LCDRF(P)x)

This section describes how to enroll and program wireless devices such as contacts, motion sensors and sirens on the alarm panel.

[804][000] Enroll Wireless Devices

1. Once the HSM2HOST is installed and enrolled on the alarm panel wireless devices can be enrolled using the following method: Enter Installer Programming section [804][000]:
2. When prompted, either activate the device (see device installation sheet) to enroll immediately or enter a device ID number. Do the latter to pre-enroll devices then enroll them later at the customer site.

The alarm panel determines the type of device being enrolled and presents the appropriate programming options.

Table 5: Wireless Device Options

Device Type	Programming Options
Zone	(01) Zone type (02) Partition assignment (03) Zone label
Wireless key	(01) Partition assignment (02) User label
Siren	(01) Partition assignment (02) Siren label
Repeater	(01) Repeater label

3. Use the scroll keys or type in the corresponding number to select an option.
4. Scroll through the available selections, key in a number or enter text as appropriate.
5. Press [*] to accept and move to the next option.
6. Once all options are configured, the system prompts to enroll the next device.
7. Repeat the process described above until all wireless devices are enrolled.

NOTE: The configuration options listed above can be modified using [804][911] Modify Device.

[804][001]-[716] Wireless Device Configuration

To configure wireless devices:
1. Enter Installer Programming section [804] then select one of the following sub-sections:

Table 6: Wireless Zone Sub-Sections

Sub-Section	Description
001-128	Configure wireless zones
551-556	Configure wireless sirens
601-632	Configure wireless keys
701-716	Configure wireless keypads

2. Select a device to configure using the scroll keys or go directly to a specific device by entering a hotkey.
3. Use the scroll buttons or enter a hot key to select a configuration option for the device. See device sheets for details.
4. Press [*] to accept and move to the next option.
5. Once all options are configured, the system returns to the base configuration menu.

Repeat the process described above to configure other wireless devices.

[804][801] RF Jam Detect

RF jam detection (continuous interfering transmissions on the radio network) can be turned on or off. When on, RF jamming is logged and reported.
To configure RF jamming:
1. Enter Installer Programming section [804][801].
2. Select one of the following options by scrolling or entering the hotkey:

Table 7: Jam Detect Options

00	Enabled/Disabled	Jamming detection and reporting is enabled/disabled Note: Must be Enabled for UL/ULC listed installations.
01	UL 20/20-USA	Continuous RF jamming for 20 seconds
02	EN 30/60-Europe	30 seconds of accumulated jamming within 60 seconds
03	Class 6 30/60-British	As EN (30/60) but reported only if the jamming duration exceeds 5 minutes

3. Press [*] to accept the selection.
4. Press [#] to exit the section.

[804][802] Wireless Supervision Window

This option is used to program the length of time a wireless device can be absent from the system before a fault is generated.
NOTE: For EN installations, 1 hour or 2 hours must be selected.

When option 06 is used, which configures the system to generate fault conditions after a device has been detected as absent for 24 hours, smoke detectors generate a fault condition after a maximum of 18 hours when the 200s supervision toggle option is disabled.
To program the Wireless Supervisory Window:
1. Enter Installer Programming section [804][802].
2. Select one of the following options by scrolling or entering the hotkey

Table 8: Wireless Supervisory Window Options

00	Enabled/Disabled
01	After 1 Hour
02	After 2 Hour
03	After 4 Hour
04	After 8 Hour
05	After 12 Hour
06	After 24 Hour

3. Press [*] to accept the selection.
4. Press [#] to exit the section.

NOTE: For UL Residential Burglary (UL1023), Home Health Care (UL1637), ULC Residential Burglary (ULC/ORD-C1023) installations, the maximum Supervision window shall be set to 24 hours.
For UL Residential Fire (UL985) installations, the maximum supervision window is set to 200s.

For UL Commercial Burglary (UL1610/UL365) and ULC Residential Fire (ULC-S545), the maximum supervision window shall be set to 4 hours.

[804][810] Wireless Option 1

To program wireless options:
1. Enter Installer Programming section [804][810].
2. Select one of the following options by scrolling or entering the hotkey.

Table 9: Wireless Options

01	RF Delinquency	On: the system cannot be armed if a wireless supervisory trouble exists. An RF delinquency trouble is generated. Off: wireless supervisory troubles do not prevent arming.
02	Wireless Supervisory/ RF Jam Alarm	On: if a supervisory or jamming trouble occurs during Away arming, the siren activates and the event is logged and reported. Off: supervisory or RF jam troubles during Away arming do not activate the siren or get logged and reported.
03	Module Tamper	On: module tampers are logged and reported. Off: module tampers are not logged or reported.
04	Fire Supervision	On: fire devices are supervised every 200 seconds. If the device fails to report within this window, a supervision trouble is generated. Off: fire devices follow the supervision window programmed in section 802, up to a maximum of 18 hours. The supervisory window can be programmed with a higher value, but detectors still go into fault after 18 hours.

3. Press [*] to accept the selection and [#] to exit.

[804][841] Visual Verification Programming

To program wireless options:
1. Enter Installer Programming section [804][841].
2. Select one of the following options by scrolling or entering the hotkey

Table 10: Visual Verification Sub-Sections

001	Visual Verification	On: Alarms trigger image capture from PIR Cameras Off: Alarms do not trigger image capture from PIR Cameras
002	View Time Window	01 Alarm + 5 Minutes 02 Alarm + 15 minutes 03 Alarm + 1 Hour
003	View Other Alarms	01 Fire key enabled/disabled 02 Duress key enabled/disabled 03 Medical key enabled/disabled 04 Panic key enabled/disabled

[804][901]-[905] Delete Wireless Devices

To delete wireless devices:
1. Enter Installer Programming section [804] then select one of the following sub-sections:

Table 11: Module Label Sub-Sections

Sub-Section	Description
901	Delete wireless zone devices
902	Delete wireless key
903	Delete sirens
904	Delete repeaters
905	Delete keypads

2. Select a device to delete using the scroll keys or go directly to a specific device by entering a hotkey.
3. Press [*] to delete or [#] to exit.

[804][921]-[925] Replace Wireless Devices

Use this option to replace a faulty device enrolled on the system with another device of the same type while maintaining the configuration of the original. The faulty device does not need to be deleted. To replace a wireless device:
1. Enter Installer Programming section [804] then select one of the following sub-sections.

Table 12: Replace Device Sub-Sections

Sub-Section	Description
921	Replace wireless zone devices
922	Replace wireless keys
923	Replace sirens
924	Replace repeater
925	Replace keypad

2. Press [*] to select a sub-section. The first available device is displayed.
3. Select a device to replace using the scroll keys or go to a specific device by entering a hotkey.
Press [*]. When prompted, activate the device (full enrollment) or enter the device ID (pre-enrollment).
A message is displayed confirming enrollment.

[804][990][001- 005] Show All Devices

Use this section to review wireless devices enrolled on the system and to view serial numbers associated with each device.
To review wireless device information:
1. Enter Installer Programming section [804][990] then select one of the following sub-sections:

Table 13: Wireless Device Sub-Sections

Sub-Section	Descriptions
001	All zones
002	Repeaters
003	Sirens
004	Wireless keys
005	Keypads

2. Press [*] to select a wireless device type. The first available device is displayed.
3. Use the scroll keys to view the enrolled devices.

NOTE: This option is not fully supported by LED and ICON keypads.

[904] Placement Testing Wireless Devices (LCD keypads only)

This test is used to determine RF signal status for wireless devices and can be performed at a system keypad or at the individual device. These instructions pertain to testing at the keypad. For instructions on placement testing at the device, refer to the installation sheet provided with the wireless equipment. The following test modes are available:001-128 – Test wireless zones.

Table 14: Wireless Device Placement Test Modes

001-128	Test wireless zones	Test wireless devices individually by zone.
520	Test all repeaters	Test each enrolled wireless repeater. 521-528 for repeaters 1-8.
550	Test all sirens	Test each enrolled wireless siren. 551-556 for sirens 1-16
600	Test all wireless keys	Test individual wireless keys. Once in this section, press a button on the wireless key to begin the test. 601-632 for wireless keys 1-32.
700	Test all keypads	Test each enrolled keypad 701-716 for keypads 1-16.

Two test results are provided:
- 24-hour: Average results of signal strength testing over a 24-hour period.
- Now: Signal status results of the current test.

During testing, the Ready and Armed LED's flash to indicate data is being received. A flashing Trouble LED indicates RF interference. The following status indicators may be displayed:

Table 15: Wireless Device Status Indicators

LCD	Status	Repeater [905]
Strong	Strong signal strength	Repeater 1
Good	Good signal strength	Repeater 2
Poor	Poor signal strength	Repeater 3
1-Way	The device is operating in 1-way mode only. The alarm panel cannot configure or control the device	Repeater 4
Not Test	Displayed as the Now result if no test was performed.	Repeater 5
None	Always displayed as the 24-hour result when testing wireless keys.	Repeater 6

NOTE: For UL/ULC installations, only STRONG signal levels are acceptable.

Troubleshooting

1. When attempting to assign a zone number to a wireless device, the keypad responds with a long beep.
   - Ensure that the keypad is properly connected to the Corbus.
2. After entering the ESN of a wireless device, then tripping it, the keypad does not indicate the zone is open.
   - Ensure the ESN has been entered correctly.
   - Ensure that the zone is enabled for the partition (if partition programming is used).
   - Ensure that the wireless zone is not assigned to a zone used by HSM2108 modules, an on-board zone or a keypad zone.
   - Ensure that the zone is programmed for something other than "Null Operation".
3. "Poor" or no results are received from a module placement test.
   - Verify that you are testing the correct zone.
   - Verify the device is in range of the keypad. Test the device in the same room as the receiver.
   - Confirm that the keypad is properly connected to the Corbus.
   - Check that the zone is being tested correctly. Refer to the instructions that came with the device.
   - Check that the batteries are working and installed correctly.
   - Look for large metal objects that may be preventing the signal from reaching the keypad.
   - The device must be located where consistent "Good" results are obtained. If several devices show "Poor" results, or if panic pendants and wireless keys operate inconsistently, move the receiver.

For systems compliant with EN50131-1 and EN50131-3 the HS2LED keypad shall be used in conjunction with an LCD type keypad (HS2LCD(P) or HS2LCDRF(P)8 or HS2LCDWF(P)8) in order to be able to review logged events and also to allow overriding of conditions that inhibit setting of the alarm system. The HS2LED keypad alone cannot support these functions.

Word Library

Item #	Text	Item #	Text	Item #	Text	Item #	Text	Item #	Text	Item #	Text	Item #	Text
001	Aborted	037	Closed	073	Feature	109	Library	145	Pool	181	Tamper	217	N
002	AC	038	Closet	074	Fence	110	Light	146	Porch	182	Temperature	218	O
003	Access	039	Closing	075	Fire	111	Lights	147	Power	183	Test	219	P
004	Active	040	Code	076	First	112	Living	148	Press	184	Time	220	Q
005	Activity	041	Communicator	077	Floor	113	Load	149	Program	185	To	221	R
006	Alarm	042	Computer	078	Force	114	Loading	150	Progress	186	Touchpad	222	S
007	All	043	Control	079	Foyer	115	Low	151	Quiet	187	Trouble	223	T
008	AM	044	Date	080	Freeze	116	Lower	152	Rear	188	Unbypass	224	U
009	Area	045	Daughter's	081	Front	117	Main	153	Receiver	189	Unit	225	V
010	Arm	046	Degrees	082	Furnace	118	Master	154	Report	190	Up	226	W
011	Armed	047	Delay	083	Gallery	119	Mat	155	RF	191	West	227	X
012	Arming	048	Den	084	Garage	120	Medical	156	Right	192	Window	228	Y
013	Attic	049	Desk	085	Gas	121	Memory	157	Room	193	Zone	229	Z
014	Auxiliary	050	Detector	086	Glass	122	Menu	158	Safe	194	0	230	Space
015	Away	051	Dining	087	Goodbye	123	Monoxide	159	Saver	195	1	231	,
016	Baby	052	Disarmed	088	Gym	124	Mother's	160	Schedule	196	2	232	-
017	Back	053	Door	089	Hallway	125	Motion	161	Screen	197	3	233	_ (Underscore)
018	Bar	054	Down	090	Heat	126	No	162	Second	198	4	234	*
019	Basement	055	Download	091	Hello	127	North	163	Sensor	199	5	235	#
020	Bathroom	056	Downstairs	092	Help	128	Not	164	Service	200	6	236	:
021	Battery	057	Drawer	093	High	129	Now	165	Shed	201	7	237	/
022	Bedroom	058	Driveway	094	Home	130	Number	166	Shock	202	8	238	?
023	Bonus	059	Duct	095	House	131	Off	167	Shop	203	9		
024	Bottom	060	Duress	096	In	132	Office	168	Side	204	A		
025	Breezeway	061	East	097	Install	133	OK	169	Siren	205	B		
026	Building	062	Energy	098	Interior	134	On	170	Sliding	206	C		
027	Bus	063	Enter	099	Intrusion	135	Open	171	Smoke	207	D		
028	Bypass	064	Entry	100	Invalid	136	Opening	172	Son's	208	E		
029	Bypassed	065	Error	101	Is	137	Panic	173	Sound	209	F		
030	Cabinet	066	Exercise	102	Key	138	Partition	174	South	210	G		
031	Camera	067	Exit	103	Kids	139	Patio	175	Special	211	H		
032	Canceled	068	Exterior	104	Kitchen	140	Pet	176	Stairs	212	I		
033	Car	069	Factory	105	Latchkey	141	Phone	177	Stay	213	J		
034	Carbon	070	Failure	106	Laundry	142	Please	178	Sun	214	K		
035	Central	071	Family	107	Left	143	PM	179	Supervisory	215	L		
036	Chime	072	Father's	108	Level	144	Police	180	System	216	M		

Limited Warranty

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