SMARTRISE

MADE STRONG

INSTALLATION MANUAL

for

Hall Boards

Hall Board Introduction

The Hall Board (HCB) is a serial board designed to operate the hall call buttons, hall lanterns, access, fire and EMS buttons. The boards are monitored on the hall or auxiliary networks (HN or AN) by setting their dip switch to an address pre-programmed in the software.

The boards are designed to be individually programmed (dip setting) and daisy chained together using a standard CAT5 cable plugged into any one of the (2) two network ports. These ports are identical so it doesn't matter which one is used.

The HCB is easily installed and wired to the fixtures via the 6-pin connector on the back. The pin layout is as follows:

H24 – Hoistway 24VDC power

UB – Up Button
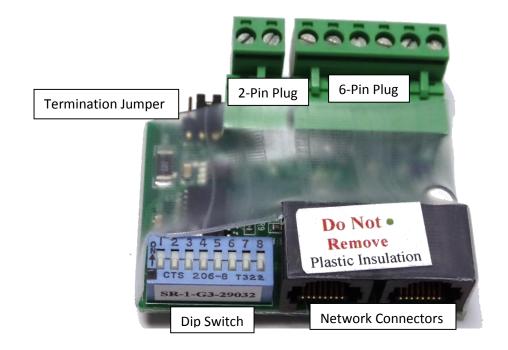
DB – Down Button

UL – Up Lamp

DL – Down Lamp

REF – 24VDC reference

The 2-pin connector is provided for the hall network discrete wiring (if not using CAT5 cabling).
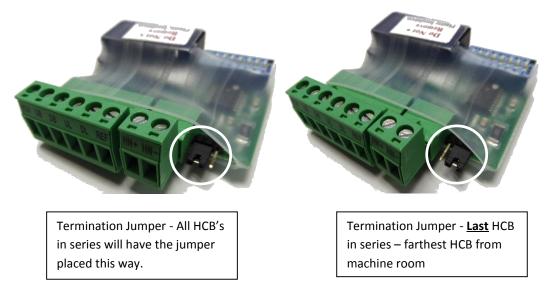
HN+ – Hall Network +

HN- – Hall Network –

Hall Board Replacement Procedure

Installing the HCB is a simple process.

1. Remove the 6-pin plug from the back of the board, leaving the wires intact. If the 2-pin plug is used, remove that as well.

2. Plug the connectors into the replacement HCB.

    a. Verify the dip switch setting matches the one that was removed. If the dip settings were changed or you're not sure what it should be refer to the jobsite drawings for the table listing the dip settings for the board that you're installing.

    b. Check to make sure the termination jumper is set on the proper terminals. Normally all the boards will have the jumper set close to the 2-pin plug, however, communication between the boards and the machine room controller can sometimes be improved by putting the jumper on the outside pins on the **last** HCB in the series (the one farthest from the controller). This is usually only necessary for hall networks of 15 boards or greater.

Termination Jumper - All HCB's in series will have the jumper placed this way.	Termination Jumper - **Last** HCB in series – farthest HCB from machine room

3. Remove the 6-pin plug from the back of the board, leaving the wires intact. If the 2-pin plug is used, remove that as well.

** Installation is now complete **