Programming

This section details the recommended Galaxy panel programming which should be used with the DGI unit.

Keyswitch zones should be programmed as ExitGuard.

Door sensor zones should be programmed as either:

(1) Intruder - door openings during the unset state will not be logged or produce a panel alarm. Door openings in the set state will be logged and produce a panel alarm, or

(2) Security - door openings in both unset and set states will be logged and produce panel alarms.

The above conditions apply if the keyswitch is in the ON position. In the OFF position door sensor activations will not be logged at the panel.

A link should be programmed with the keyswitch zone (o/p 2) as the source, and the door sensor zone (o/p 1) as the destination. In this configuration, if the key is in the OFF position, when setting the system, an indication will be given that the zone is unprotected at the keypad.

For further information on the programming and wiring zones on the Galaxy system see the **Galaxy Programming Manual (IP1-0030)**, and the **Galaxy Installation Manual (II1-0030)**

Honeywell

Galaxy Door-Guard Interface(C075)

Installation and Operating Instructions

Introduction

The Door-Guard Interface (DGI) is used to guard doors that require protection even when the Galaxy system is unset. Unauthorised access to a protected area results in a local, audible warning.

The DGI should be situated near to the door(s) being protected ensuring that attention is focused on this area if unauthorised entry is attempted.

Operation

When the keyswitch is in the ON position door protection is active and the DGI sounder activates if the door-sensor zone is open (2 kΩ). The sounder remains active until the keyswitch is turned to the OFF position and the door-sensor zone is closed (1 kΩ).

The door-sensor is connected to the DGI, and the alarm sounder is activated at the DGI rather than by an external output from the Galaxy system—this reduces programming requirements and avoids any potential delay in the activation of the sounder.

Access to the protected area can be gained by disabling door protection. This is achieved by turning the keyswitch to the OFF position. While the keyswitch is in the OFF position activation of the door-sensor does not activate the DGI sounder.

If the DGI outputs (O/P 1 and O/P 2) are connected to the Galaxy system then activations of the keyswitch and door-sensor zone(s) can be logged at the control panel, and used to display the status of the protected door.

Note: It is strongly recommended that the DGI outputs (O/P 1 and O/P 2) are connected to the Galaxy system.

Wiring

The DGI should be wired as follows:

1. Connect the door-sensor across I/P 1 (terminal block 3 (TB 3)). The sensor must be wired to the terminals in a double-balanced, end-of-line configuration using two 1 kΩ (±1%) resistors, see *Figure 1*.
2. If the door-sensor zone is to be logged, or integrated into the Galaxy system, then O/P 1 (TB 4) must be connected to a zone terminal on the Galaxy (at the control panel, a RIO, or a Smart PSU).
3. If the keyswitch status is to be measured by the Galaxy system then output O/P 2 (TB 1) should be connected to a Galaxy zone terminal (at the control panel, a RIO, or a Smart PSU). This output provides the status of the keyswitch and the DGI box tamper. See *Table 1*.

   If the DGI enclosure is opened the resistance at O/P 2 becomes open-circuit activating a tamper condition on the connected Galaxy zone.
4. Connect 12 Vd.c. to TB 6.

A full description of all possible DGI conditions is shown in *Table 1*.

Keyswitch	*Door Sensor*	*DGI Lid Tamper*	*O/P 1*	*O/P 2*	*DGI Horn*
OFF	CLOSED	CLOSED	1 kΩ	2 kΩ	OFF
OFF	OPEN	CLOSED	1 kΩ	2 kΩ	OFF
ON	CLOSED	CLOSED	1 kΩ	1 kΩ	OFF
ON	OPEN	CLOSED	2 kΩ	1 kΩ	ON
X	X	OPEN	X	TAMP O/C	OFF

Table 1: DGI Modes of Operation

Refer to the Programming section of these instructions for details of how to programme the door sensor and keyswitch zones.

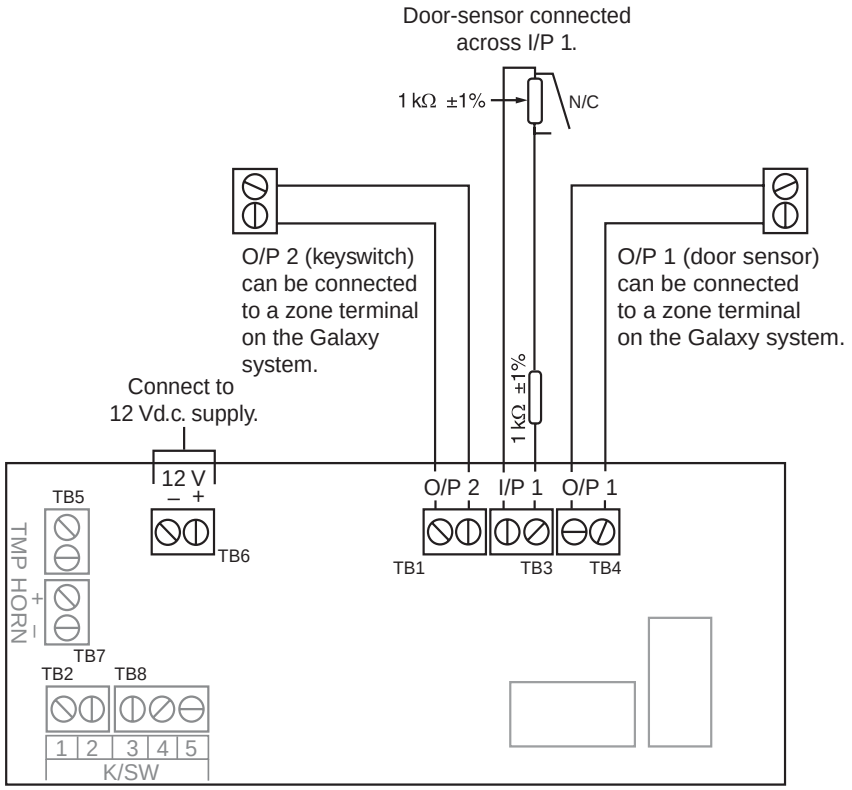

Figure 1: *DGI PCB Layout.*

Note: The wiring of terminals TB 2, TB 5, TB 7, and TB 8 is carried out during product manufacture. No further connections to these terminals are needed.