Taco Bell

New Store Alarm System

Vista 20 / Full Cross / Cell

Zones/Motions/Contacts/HUB/BDA

SOW V3 008012014

Taco Bell Procedures

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CELLULAR TO BE ADDED AT A LATER DATE

Introduction

This document is intended to assist Install Technicians with the installation of the Vista 20 control unit, cell back up, motions, employee entry/exit door contacts, the Hold Up Buttons and the cross zone programming at new Taco Bell locations. Proper installation and programming instructions are included in this document. It is recommended that this document is read in full prior to the start of installation. See Appendix A for Typical Floor Plan.

Critical Information

The cell unit will be used as backup communications for the land line. • The unit should be mounted above the drop tile. If the unit cannot be mounted above the drop tile, it should be mounted out of site of the main control panel. • If a location with adequate signal strength cannot be found, immediately contact the NASC Installation Coordinator. Adequate signal strength is between 3-5 bars.
The employee entry/exit door will be either a single or a double door.
If there is a vestibule at the employee entry/exit, the door contacts should be placed on the outer doors.
Back Door Door contact is DPDT. One side for alarm System the other side for power to Piezo Sounder and Strobe light.
Strobe light is mounted on the ceiling behind the menu board but in a location visible to the Office.
Piezo Sounder is mounted either on the Ceiling or on the wall near the back door.
Wire back door so when the door opens the piezo sounder and strobe activate. When the back door closes the piezo sounder and strobe light deactivated.

Zone List

Zone	Location
1 – Holdup	Between the Front Counter Registers
2 – Motion	Manager's Office Motion
3 – Motion	Motion Detector Front Safe (Counter)
4 – Burglary	Rear Door and Roof Hatch
5 – Holdup	Cooler
6 – Door	Employee Entry Exit Door
7 – Holdup	Drive-Thru

Activity List

Upon Arrival

❑	Check in with Area Coach or Store Manager.
❑	Contact NASC Installation Coordinator advising that TycoIS is onsite.

Installation – Vista 20

❑	Install Vista 20 control unit in the manager's office.
❑	Install the keypad behind the front customer counter.

Installation – Cell Unit

❑	Unpack unit and open case by pressing the tabs at the bottom of the unit with a screwdriver while separating the case front.
❑	Temporarily connect the battery or transformer to the communicator.
❑	Choose the installation site that provides the best signal strength. To determine the signal strength, read the RSS bar graph. Signal strength must be between 3-5 bars. If a location cannot be found to provide adequate signal strength, immediately contact NASC Installation Coordinator.
❑	Locate the case back over the selected mounting location.
❑	Pass the wires through the opening in the case back or thorough the removable side knock-outs located on back cover. Secure the unit to the mounting surface. Must be mounted with screws
❑	Make the wiring connections to the unit per the diagram in Appendix E.
❑	Attach the case front.
❑	The unit and control may now be powered up. See Appendices F and G for LED statuses.

Installation – Hold Up Buttons

❑	The Hold Up Button to be installed in the following locations:
	• Front Counter
	  ○ Install under the front counter with the hinges in the front, either in between the cash registers or on the right hand side of the counter.
	• Drive Thru
	  ○ Install sideways with hinges in the front either under the cash drawer or on the side wall.
	• Cooler
	  ○ Install in walk in cooler at 18" off the floor on the hinged side of the door.
	  ○ Install no more than 10" to the right or left of the hinge side
	  ○ Must be installed in a 4x4 box for protection

❑	Install plastic cover over cooler Hold Up Button. See Appendix B for pictures of plastic cover.

Installation – Door Contacts

❑	The door contacts are surface screw mount contacts. See Appendix C for pictures of the door contacts.

Installation – Motions

❑	Install a new motion detector in the manager's office on the same wall as the door looking into the office.
❑	Install a new motion detector at the front counter ensuring to cover the safe and as much of the drive thru as possible.

Installation – Back Door Annunciator

❑	Adjustable Piezo Sounder to be mounted on the J-Box on wall next to the back door or on the ceiling within 10' of back door. See Appendix D for proper wiring of BDA.
❑	Mount Amber strobe light on ceiling in kitchen behind menu board but visible to the office.

Programming

❑	Locate the MAC and CRC numbers. These are found on the box the cell unit came in and on the inside of the unit.
❑	Call the NA Programming department at 800-453-2247/opt 3/opt 2. Provide the MAC number and the CRC number and advise that you are ready for the GSMV-4G cell unit to be activated. The programmer will assist in activating the unit.
❑	Once activated, unplug land phone line from the main control unit.
❑	Send signals over the cell unit and verify they are received.
❑	Plug phone line back into the main control unit.
❑	Employee entry/exit door should be programmed as zone 6.
❑	Send signals for all door contacts and verify they are received.
❑	Send signals for all HUBs and verify they are received.
❑	Send signals for all Motion Detectors and verify they are received.

Cross Zone Programming

❑	The Vista 20P has the capability to be programmed for CROSS ZONE VERIFICATION. The purpose of Cross Zone programming is to assist in reducing false alarms and unwanted police dispatches.
❑	The Vista 20P has the capability to have as many as 10 zones be grouped so that if one of the grouped zones is tripped while the control panel is armed, an alarm is not instantly generated; instead, the control panel begins a timed cycle. If a second zone in the group is tripped before the timed cycle expires, an alarm is generated, Central Station receives the signal and acts on same. If one of the Grouped zones is tripped, and no other zone in the Group is tripped before the timed cycle expires, no alarm is generated.
❑	If an alarm is generated due to two (2) or more Grouped zones being tripped within the timed cycle, then all the tripped zones are reported to Central Station to be acted on and an event log is created.
❑	If only one of the Grouped zones is faulted during the cross zone timer period, the keypad will show a “Check” on the zone number and reports an E380 to the Central Station if trouble reports are enabled. If the event log is enabled, an E380 is logged. The keypad does not sound.

❑	Cross Zone logic does not begin until the panel is armed and the EXIT DELAY has expired.
❑	When creating the ZONE LIST 4/zone group for cross zoning, include the interior motions only.
❑	Do not include zones that have delays (enter/exit) or 24-hour zones. If these zones are included in the cross zone group unpredictable operation of the system may result and the system may not operate as intended.
❑	Communicate with the programmer during download and verify during system testing that Cross Zone verification has been correctly programmed into the panel. The Program point is (*85).

System Training and Acceptance

❑	Train store management on system operation and testing.
❑	Obtain signature from Store Management on customer sign off.

Upon Completion

❑	Clean up all debris and return location to original appearance.
❑	Contact the NASC Installation Coordinator to advise of completion.

Contact Information

Tyco Integrated Security Installation Coordinator
Felicia Maclin
1-800-453-2247, Press the “#” key then, Ext 2448

Tyco Integrated Security Installation Team Manager
Tricia Gilly
1-800-453-2247, Press the “#” key then, Ext 2266
Cell 317-716-3069

Tyco Integrated Security Project Planner
Eddie Griffin
1-252-520-7793

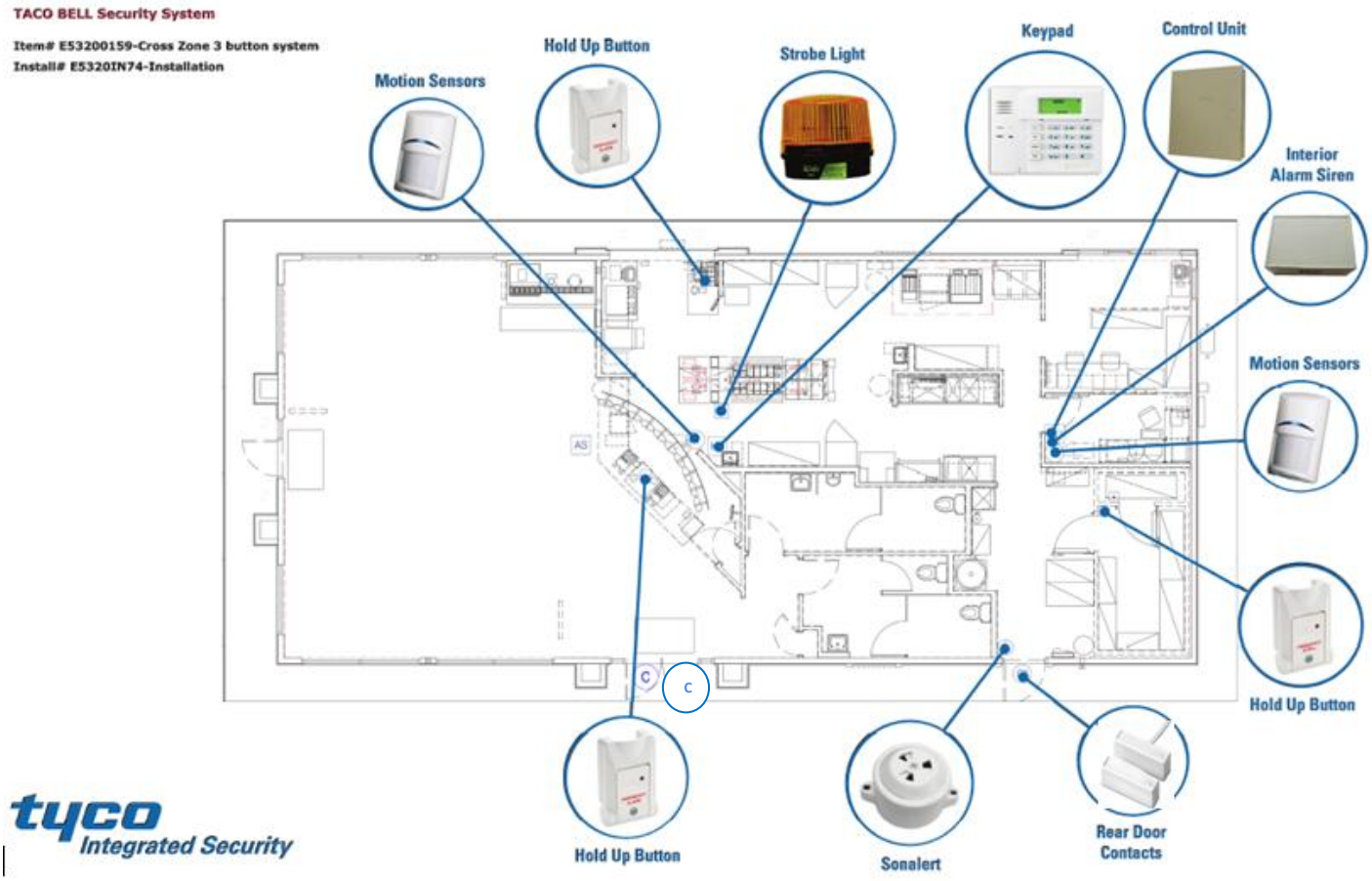
Tyco Integrated Security National Account Manager
Ralph Mertz
614-602-0469

ITS - Programming
800-453-2247, opt 4, opt 1

NASC Programming Escalation Desk
MANAGER’S USE ONLY
317-913-6429
(Open until 8PM Eastern)

Appendix A Typical Floor Plan

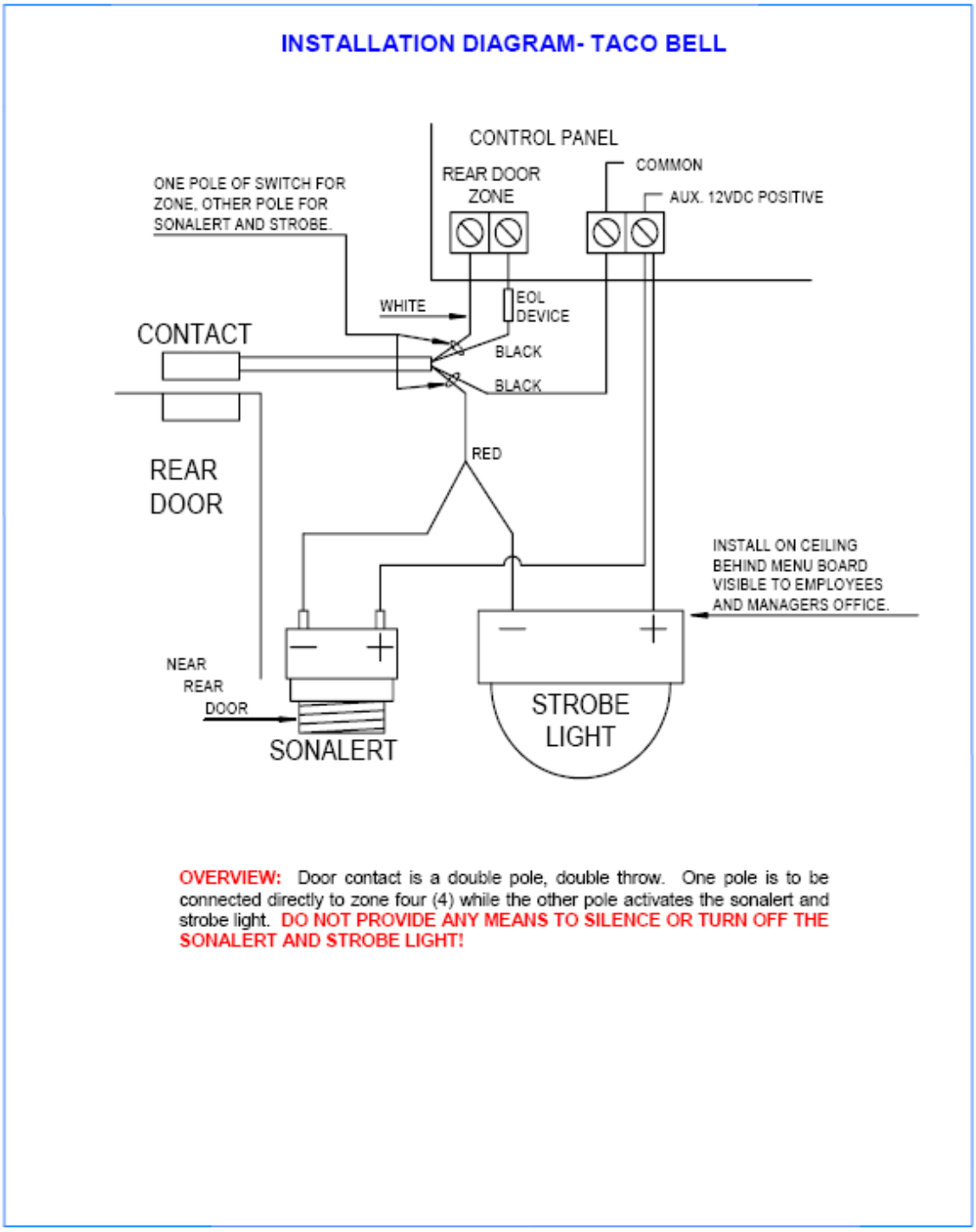
Pending new drawing from Taco Bell



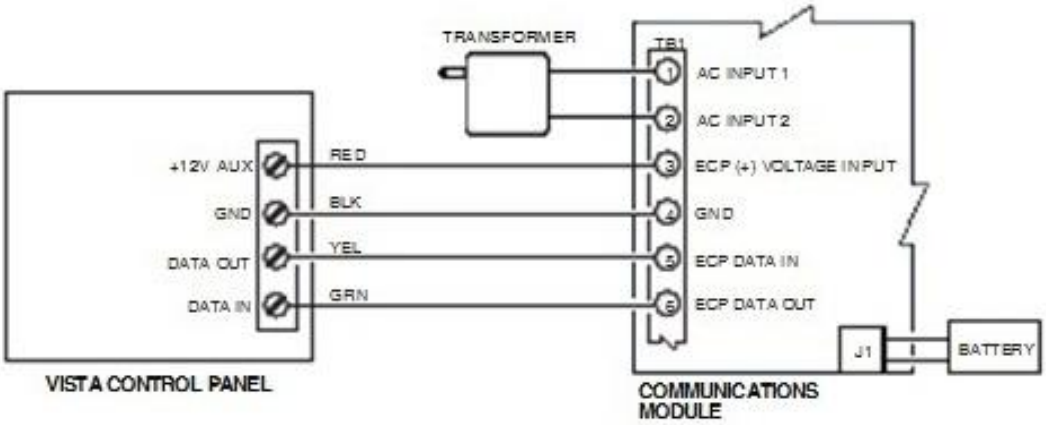
Appendix B Plastic Hold Up Cover

Appendix C Door Contacts

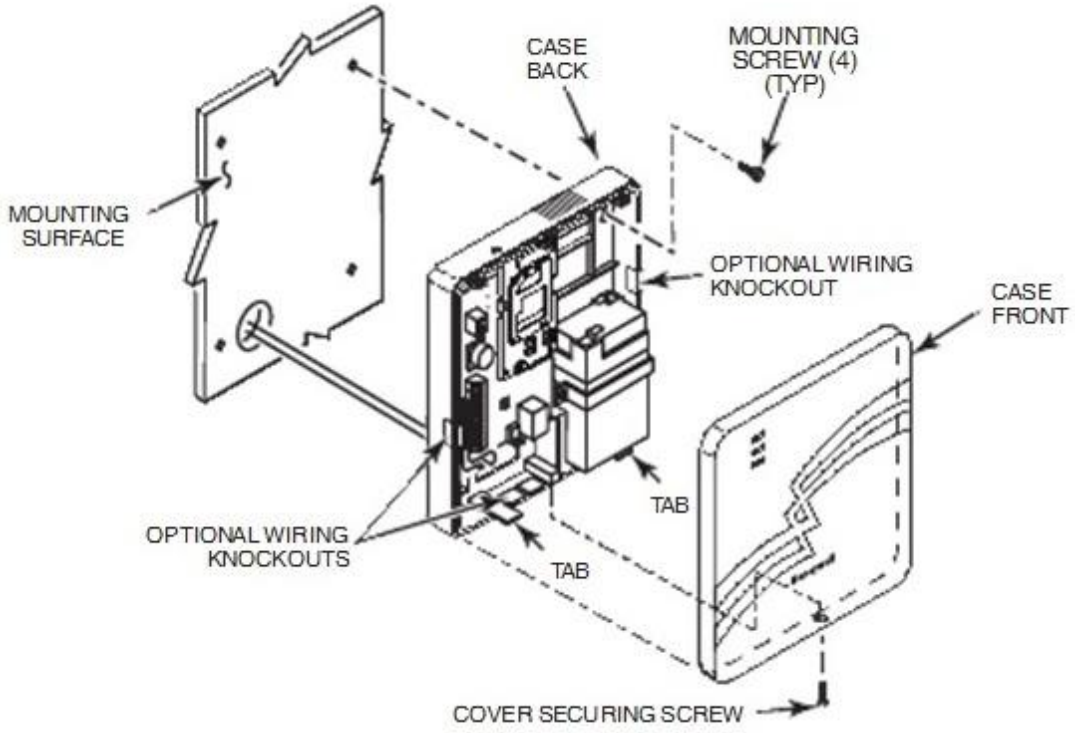
Appendix D Back Door Annunciator Wiring Diagram



Appendix E Cell Back Up Diagram

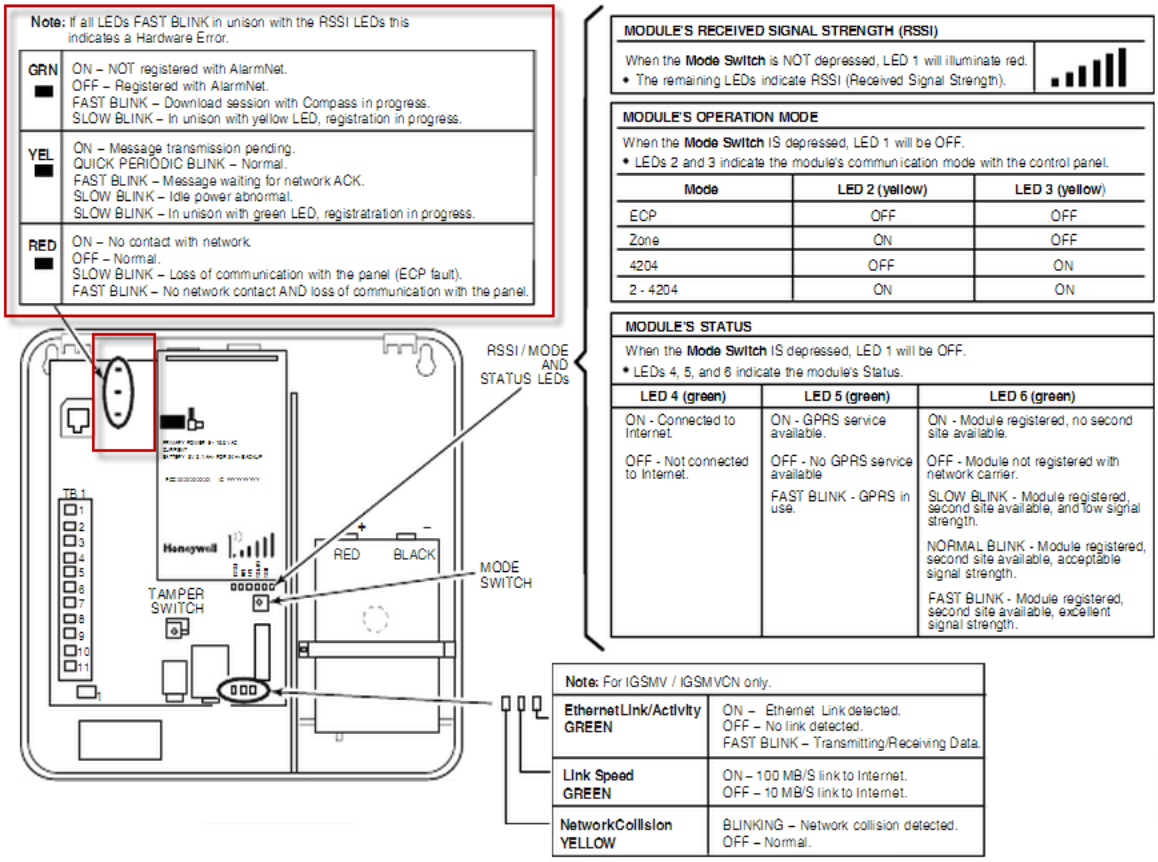


Distance from Control Panel	Minimum Wire Gauge	Distance from Control Panel	Minimum Wire Gauge
75 ft (23m)	#22	170 ft (52m)	#18
120 ft (37m)	#20	270 ft (82m)	#16



Appendix F GSMV / IGSMV Status LEDs

The green status LED will be ON until the device has been registered with Alarmnet. When the register command is sent from Alarmnet Direct, the green and yellow LEDs will blink slowly. The green light will turn off when the unit is registered with Alarmnet.



STROBE LIGHT, AMBER	Install on ceiling behind menu board, visible to manager's office. NOTE: For annunciator hookup, see diagram.
SONALERT/SONALERT PLATE	NOTE: THIS PART CANNOT BE SUBSTITUTED EVER! Install at the rear of the store near rear door. Set volume at highest level.

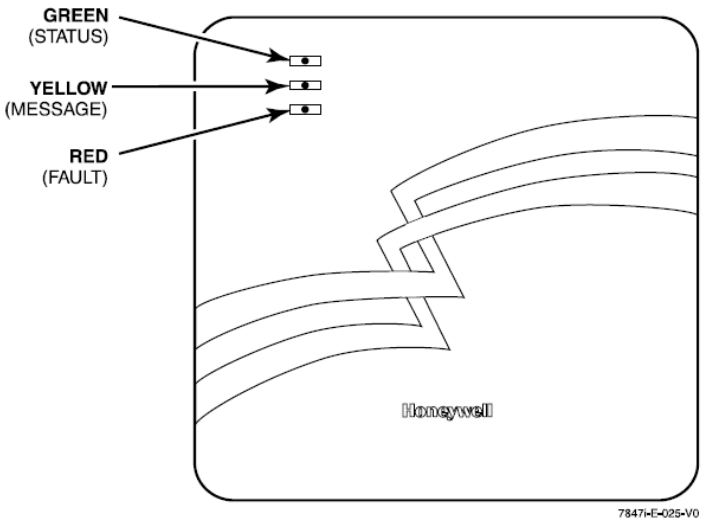
Appendix G 7847 Status LED

The green status LED will be ON until the device has been registered with Alarmnet. When the register command is sent from Alarmnet Direct, the green and yellow LEDs will blink slowly. The green light will turn off when the unit is registered with Alarmnet.

Status Display Operation

The 7847i/7847i-E Status Display has three LEDs used to indicate message and device status:

- STATUS, *green*
- MESSAGE, *yellow*
- FAULT, *red*



LED COLOR	LED LABEL	DESCRIPTION
GREEN	STATUS	ON – 7847i/7847i-E is NOT registered with AlarmNet or 7810iR-ent if Private LAN is enabled. OFF – 7847i/7847i-E is registered with AlarmNet or 7810iR-ent if Private LAN is enabled. FAST BLINK – Download session with Compass in progress. SLOW BLINK – In unison with yellow LED – registration in progress.
YELLOW	MESSAGE	ON – Message transmission pending. QUICK PERIODIC BLINK – Normal. FAST BLINK – Message waiting for network ACK. SLOW BLINK – Idle, power abnormal. – In unison with green LED – registration in progress.
RED	FAULT	ON – No contact with the network. OFF– Normal. SLOW BLINK – Loss of communication with the panel (ECP fault). FAST BLINK – No network contact AND loss of communication with the panel.