Warning: This manual contains information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer.
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<td>64 Zone Notification Toggle Options</td>
<td>11</td>
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<td>System Information (Read Only)</td>
<td>11</td>
</tr>
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<td>System Reset Defaults</td>
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<td>End User Licence Agreement</td>
<td>12</td>
</tr>
</tbody>
</table>
Access by Intruders

A security system must be installed properly in order to provide...
IMPORTANT
This manual shall be used with the Impassa Alarm Controller Panel manual; all safety instructions specified within that manual (or equivalent) shall be observed. The Impassa Panel is referenced as “panel” throughout this document. The IT-235 Interface shall be installed in the location specified in these instructions. The equipment enclosure must be fully assembled and closed, with all the necessary screws/tabs, and secured to a wall before operation. Internal wiring must be routed in a manner that prevents:
- Excessive strain on wire and on terminal connections,
- Interference between power limited and non power limited wiring,
- Loosening of terminal; connections, or
- Damage of conductor insulation.

WARNING: NEVER INSTALL THIS EQUIPMENT DURING A LIGHTNING STORM!

Safety Information
External wiring must be protected and routed in such a way that all the local, state, federal electrical code and regulations and fire codes are fully met; the external wiring shall pose no risks for an operator. The external wiring shall be clearly labeled at both ends. Where required, notify the local authorities in regard to the performed wiring. The Installer must instruct the System user on each of the following:
- Do not attempt to service this product. Opening or removing covers may expose the user to dangerous voltages or other risks.
- Any servicing shall be referred to trained service personnel only.
- Use authorized accessories only with this equipment.

Model Information
IT-235: Is an RS-422 interface that allows two way message transfer between the DSC Impassa Panel and the ASG1000 interactive hub. The IT-235 provides monitoring and control via an RS-422 balanced line link to the Hub. The link speed is 115.2 KB and is programmable by the installer.

NOTE: ASG1000 Interactive Hub is an interface device which connects to security panels, IP cameras, sensors, Z-wave based home automation devices, etc. to deliver a host of advanced functionality. Life-style events are defined as “non alarm” events. Life-safety events are defined as “alarm” events.

Features
- Programmable Labels.
- RS-422 balanced line communication to the ASG1000 Hub up to 1,000 ft. (305 m).
- Buffers 1,000 date and time stamped Life Style events to Hub as First In First Out (FIFO) messages.

Technical Specifications

Table 1: IT-235 Interface Module Ratings

<table>
<thead>
<tr>
<th>Model</th>
<th>IT-235 Interface Module</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POWER SUPPLY RATINGS</strong></td>
<td></td>
</tr>
<tr>
<td>Input Voltage</td>
<td>11.1~12.6 VDC</td>
</tr>
<tr>
<td><strong>CURRENT CONSUMPTION</strong></td>
<td></td>
</tr>
<tr>
<td>Standby Current</td>
<td>140mA @ 12 VDC</td>
</tr>
<tr>
<td><strong>ENVIRONMENTAL SPECIFICATIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0°C - 49°C (32°F- 120°F)</td>
</tr>
<tr>
<td>Humidity</td>
<td>5% ~ 93% relative humidity, non-condensing</td>
</tr>
<tr>
<td><strong>MECHANICAL SPECIFICATIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Board Dimensions (mm)</td>
<td>150 × 50 × 15</td>
</tr>
<tr>
<td>Weight (grams)</td>
<td>45</td>
</tr>
</tbody>
</table>

Compatibility

Table 2: Compatible Impassa Panels

<table>
<thead>
<tr>
<th>Interface</th>
<th>Panel</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT-235</td>
<td>Impassa Series</td>
<td>Impassa SCW9055 v1.16+</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Impassa SCW9057 v1.16+</td>
</tr>
</tbody>
</table>

NOTE: Enter [*][8][Installer Code] [900] at keypad to view the Impassa Panel Version number.
This IT-235 interface is fixed and shall be installed in the Panel by Service Persons only. (Service Person is defined as a person having the appropriate technical training and experience necessary to be aware of hazards to which that person may be exposed in performing a task and can also take measures to minimize the risks to that person or other persons). The IT-235 shall be installed and used within an environment that provides the pollution degree max 2, over voltages category II, in non-hazardous, indoor locations only. This manual shall be used with the Installation Manual of the panel which is connected to the IT-235. All instructions specified within the panel manual and the Hub manual must be observed.

All the local rules imposed by local electrical codes shall be observed and respected during installation.

Running the RS-422 Cable

An RS-422 cable must be connected to the ASG1000 Hub and cable run to the IT-235 module inside the panel. 

NOTE: Maximum cable length for RS-422 cable is 305 m (1,000 ft.)

At the ASG1000 Hub, attach wires for RS-422 connection as follows:
1. Securely fasten the TX+ wire on the terminal block.
2. Securely fasten the RX+ wire on the terminal block.
3. Securely fasten the RX- wire on the terminal block.
4. Securely fasten the RX- wire on the terminal block.
5. Securely fasten the GND wire on the terminal block. (Optional, DSC recommends connection.)
6. Run the RS-422 Cable from the Hub to the IT-235 mounted inside the Panel.

### Table 3: RS-422 Connector Pin Assignment

<table>
<thead>
<tr>
<th>PIN</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal Name</td>
<td>TX+</td>
<td>TX-</td>
<td>RX+</td>
<td>RX-</td>
<td>GND</td>
</tr>
</tbody>
</table>

Hardware Factory Default

The IT-235 can be hardware reset to Factory Default by removing AC power, Battery + terminal, and telephone line, then installing a jumper between the BLK and DEF pins on the IT-235 Keybus connector (left terminal block) and restarting the IT-235. (See Figure 1.)

NOTE: Installing the Default (DEF) jumper during normal operation has no effect.

**WIRING AND MOUNTING**

WARNING! Before installing the IT-235 board within the alarm controller enclosure, disconnect the power and telephone lines from the panel. The IT-235 Interface output circuits are power limited. Do not route any wiring over the circuit board. Maintain at least 25.4mm (1in.) separation between circuit board and wiring. A minimum of 7mm (1/4 in.) separation must be maintained at all points between non-power limited wiring and power limited wiring.

**RS-422 Connection for ASG1000 Hub**

1. Terminate the previously run RS-422 cable from the Hub to the IT-235 TB2 as follows: See Figure 1.
   a. Connect the TX+ wire to the RX+ terminal on the IT-235.
   b. Connect the TX- wire to the RX- terminal on the IT-235.
   c. Connect the RX+ wire to the TX+ terminal on the IT-235.
   d. Connect the RX- wire to the TX- terminal on the IT-235.
   e. Connect the ground wire to the GND terminal on the IT-235 (Optional - DSC recommends connection).
2. Perform the following steps for initial power on of the panel with IT-235 installed:
   a. Reconnect the AC power, Battery + connector, and Telephone line to the Panel (the IT-235 and Panel will power up together).
   b. Observe that the IT-235’s Network and Trouble LEDs are flashing together while the interface initializes. Both LEDs will continue to flash until the IT-235 has successfully initialized and is ready for operation.
The Interface has 2 yellow LED indicators: 1 **Trouble** LED, 1 **Network** connection status LED. LED functionality is described in this section.

**Yellow Trouble LED**

The yellow LED will flash to indicate a trouble on the unit. The number of flashes indicates the type of trouble. See the table below for the coded flashes and the conditions which will activate the Trouble Status LED.

**NOTE:** Only the highest priority trouble (2 Flashes is highest priority) is indicated. When that trouble is restored, the next highest trouble will indicate, if present. This will continue until all troubles have been cleared (Trouble LED is OFF).

The following paragraphs describe the conditions associated with the trouble indicated:

**2 Flashes: Panel Supervision Trouble**

This trouble is indicated when communication between the IT-235 module and the panel fails. If the module cannot communicate with the panel (e.g., loss of power to the panel) the IT-235 will send a **Panel Absent Trouble** (Section [023]) event message to the Hub. When communication is restored, the IT-235 will send a **Panel Absent Restore** (Section [024]) event message to the Hub. The reporting codes are **ET0001** (Trouble) and **ER0001** (Trouble Restore). The Panel Absent/Restore events always use primary receiver Account Code (See Section [021]) when communicating these events.

**NOTE:** The Panel Absent Trouble/Restore are internally generated events by the IT-235. These are the only internal events created; all other events are generated by the Panel. The Trouble is generated if the IT-235 misses 6 consecutive polls to the panel and is restored on successful receipt of a single poll.

**10 Flashes: Configuration Failure**

This trouble is indicated when the unit fails to receive remote programming.

**12 Flashes: Module Configuration Trouble**

This trouble is indicated when the System Account Code has not been programmed in Section [021].

**Yellow Connection Status LED**

**BLINKING:** Indicates communication is in progress between IT-235 and the Hub.

- Once quickly for outgoing transmission from the IT-235.
- Twice quickly to indicate incoming ACK/NACK from the Hub.

**OFF:** This is the normal state of the Connection Status LED. There are no connection issues present.

**ON:** There is a problem with the connection. The yellow LED will be ON when trouble is indicated:

<table>
<thead>
<tr>
<th>Number of Flashes</th>
<th>Trouble</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Panel Supervision Trouble</td>
</tr>
<tr>
<td>10</td>
<td>Configuration Failure</td>
</tr>
<tr>
<td>12</td>
<td>Module Configuration Trouble</td>
</tr>
</tbody>
</table>

**INTERFACE STATUS LEDS**

The Interface has 2 yellow LED indicators: 1 **Trouble** LED, 1 **Network** connection status LED. LED functionality is described in this section.

**Table 4: Yellow Trouble Status LED**

<table>
<thead>
<tr>
<th>Number of Flashes</th>
<th>Trouble</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Panel Supervision Trouble</td>
</tr>
<tr>
<td>10</td>
<td>Configuration Failure</td>
</tr>
<tr>
<td>12</td>
<td>Module Configuration Trouble</td>
</tr>
</tbody>
</table>
Keypad Data Display
- **Section-Toggle Options**: The number is displayed when Toggle is ON, the number is not displayed when Toggle is OFF. (e.g., Toggle Options displays: [-3--6--]. Options 3 and 6 are ON, all others are OFF). Pressing keys 1 through 8 will alternately turn the Toggle ON and OFF.
- **HEX/Decimal Data**: Values that are provided with two defaults, separated by a slash (/) character, use the format: hexadecimal followed by decimal equivalent (e.g., Default [0BF5/3061]). Hexadecimal numbers are shown, with all leading zeros, to the full field length defined for the number.

Entering HEX values at keypad
To enter HEX values at the keypad, you must press the [*] key before entering the HEX value. (e.g., to enter HEX value C at the keypad, press [*][3].

Entering ASCII Characters at keypad
1. Press [*] and use the scroll buttons [<][>] to display ASCII Entry on the keypad screen.
2. Press [*] to select ASCII entry mode.
3. Use the [<][>] scroll keys to display the character you want and press [*] to save and exit ASCII entry.
4. Repeat the steps above to enter another ASCII character.

Impassa Initial Programming
Perform the following steps to ensure that the IT-235 and the panel work together as intended. These sections must be programmed at the panel keypad. Enter [**][8][Installer Code][Section Number]. Record any values that are modified from their default, in the appropriate Programming Worksheets for the panel.
1. In Panel Section [167] program 060 (seconds).

**IT-235 PROGRAMMING SECTION**

The programming sections in this document are accessed via panel section for Ethernet/GPRS programming. Enter: [*][8][Installer Code][851][###], where ### is the 3-digit section number referenced in this programming section. The worksheet at the end of this document can be used to record new values when programming changes have been made from their default values. Default values are provided for each section.

**NOTE:** Programmed values can not be modified using the keypad. Installers may review/record programming option values at the keypad.

**Programming Options**

- **[011] Installer Code**
  Default (CAFE)
  Program your installer code for this IT-235 module. The installer code is required whenever programming of the IT-235 module is required. Valid range: 0000 - FFFF.

- **[021] Account Code**
  Default (FFFFFF)
  The Account Code is included when transmitting events generated by the IT-235. (e.g., Panel Absent Trouble). It is recommended that the IT-235 Account Code be the same as the Panel Account Number. Valid range: 00000-FFFFFF. If 4 digit account codes are needed the 2 lowest digits shall be programmed as FF; (e.g., Account Code 1234 is programmed as:1234FF). Programming this section as all 0 or all F will cause a Module Configuration Trouble (Trouble LED = 12 flashes).
  **NOTE:** 12 flashes are indicated on the IT-235 only. This status is NOT communicated to the panel.

- **[022] Communications Format**
  Default (04)
  The module can be configured to send IT-235 Events in SIA or CID format. Program **03** for CID. Program **04** for SIA. The SIA communication format follows the level 2 specifications of the **SIA Digital Communication Standard - October 1997**. This format will send the Account Code programmed in Section [021] along with its data transmission. The transmission will look similar to the following at the receiver: **Nri0 ET001**
  Where: **N** = New Event; **ri0** = Partition/Area identifier; **ET** = [023] Panel Absent Trouble; **001** = Zone 001.
IT-235 Communications Reporting Codes

Table 5: Communications Reporting Codes

<table>
<thead>
<tr>
<th>Event</th>
<th>SIA Identifier</th>
<th>SIA Reporting Code</th>
<th>CID Qualifier</th>
<th>CID Event Code</th>
<th>CID Reporting Code</th>
<th>CID User/ Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>[023] Panel Absent Trouble</td>
<td>ET</td>
<td>001</td>
<td>1</td>
<td>3</td>
<td>55</td>
<td>001</td>
</tr>
<tr>
<td>[024] Panel Absent Trouble Restore</td>
<td>ER</td>
<td>001</td>
<td>3</td>
<td>3</td>
<td>55</td>
<td>001</td>
</tr>
</tbody>
</table>

[023] Panel Absent Trouble
Default (FF)
Program 00 to disable this event or FF to enable. This event will occur when communications with the panel have been lost for more than 60 seconds.

[024] Panel Absent Trouble Restore
Default (FF)
Program 00 to disable this event or FF to enable. This event will occur when communications with the control panel have resumed.

Interactive Programming Options

[651] Interactive Account Code
Default (FFFFFFFFFFFF)
This section is programmed with the interactive Account Code of the IT-235. Valid range for each field is 000000000000 - FFFFFFFF0000. The MAC address can be viewed in Section [998].
NOTE: The default of this section is FFFFFFFF0000, when it is programmed as 000000000000 or FFFFFFFF0000, the firmware will automatically use the MAC address as the account code when communicating to Hub.

[652] Interactive Access Code
Default (12345678)
This section is programmed with a hexadecimal interactive access code. Valid range is 00000000 - FFFFFFFF.

[661] Interactive Baud Rate
Default (05; 115200 Baud)
This section is programmed with the baud rate used. Valid entries are provided in the table below. Default baud rate is 115.2 KB.

<table>
<thead>
<tr>
<th>HEX Value</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baud Rate</td>
<td>9600</td>
<td>19200</td>
<td>38400</td>
<td>57600</td>
<td>115200</td>
</tr>
</tbody>
</table>

[662] Interactive Port Settings Toggle
Program these section toggles to select the parity used for interactive data transfers:

[1] Parity Enable
Default (OFF)
ON: Parity enabled.
OFF: Parity disabled.

[2] Parity Type
Default (OFF)
ON: Even Parity enabled.
OFF: Odd Parity enabled.

[3] Stop Bits
Default (OFF)
ON: 1 Stop bit is used.
OFF: 2 Stop bits are used.

Default (OFF)
ON: Flow Control enabled.
OFF: Flow Control disabled.

[5]-[8] Reserved
Interactive Toggle Option

[1] Interactive over serial toggle
Default (ON)
ON: Interactive over serial enabled.
OFF: Interactive over serial disabled.

[2]-[4] Not used

[5] Interactive Protocol Toggle
Default (ON)
ON: Interactive protocol enabled.
OFF: Interactive protocol disabled.

NOTE: Options [1] and [5] must be on for the interactive feature to work.

Lifestyle Event Toggle
This section determines the events recorded in the Lifestyle Log. When the lifestyle log buffer is 75% full, the IT-235 will connect to the server and upload the lifestyle information. The log can buffer 1,000, variable length, lifestyle events.

NOTE: No Failure To Communicate (FTC) error shall be generated for Lifestyle Events.

Lifestyle Log Alarm/Restore
Default (ON)

Lifestyle Log Tamper/Restore
Default (ON)

Lifestyle Log Opening/Closing
Default (ON)

Lifestyle Log System Maintenance
Default (ON)

Lifestyle Log System Test
Default (ON)

Lifestyle Log IT-235 Events
Default (ON)

[7]-[8] Reserved
Default (ON)

64 Zone Lifestyle Toggle Options

[672] Lifestyle Zone 1 - 8 Toggle Options
The default for each Lifestyle Zone Toggle is ON.

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZONE</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
</tbody>
</table>

[673] Lifestyle Zone 9 - 16 Toggle Options
The default for each Lifestyle Zone Toggle is ON.

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZONE</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
</tr>
</tbody>
</table>

[674] Lifestyle Zone 17 - 24 Toggle Options
The default for each Lifestyle Zone Toggle is ON.

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZONE</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
</tr>
</tbody>
</table>

[675] Lifestyle Zone 25 - 32 Toggle Options
The default for each Lifestyle Zone Toggle is ON.

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZONE</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
</tr>
</tbody>
</table>

[676] Lifestyle Zone 33 - 40 Toggle Options
The default for each Lifestyle Zone Toggle is ON.

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZONE</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
</tr>
</tbody>
</table>
[677] Lifestyle Zone 41 - 48 Toggle Options
The default for each Lifestyle Zone Toggle is ON.

Table 12: Lifestyle Zone 41 - 48 Toggle

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZONE</td>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
</tr>
</tbody>
</table>

[678] Lifestyle Zone 49 - 56 Toggle Options
The default for each Lifestyle Zone Toggle is ON.

Table 13: Lifestyle Zone 49 - 56 Toggle

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZONE</td>
<td>49</td>
<td>50</td>
<td>51</td>
<td>52</td>
<td>53</td>
<td>54</td>
<td>55</td>
<td>56</td>
</tr>
</tbody>
</table>

[679] Lifestyle Zone 57 - 64 Toggle Options
The default for each Lifestyle Zone Toggle is ON.

Table 14: Lifestyle Zone 57 - 64 Toggle

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZONE</td>
<td>57</td>
<td>58</td>
<td>59</td>
<td>60</td>
<td>61</td>
<td>62</td>
<td>63</td>
<td>64</td>
</tr>
</tbody>
</table>

[681] Notification Event Toggle
This section determines the Notification events that are reported. Default for all toggles is ON.

[1] Lifestyle Log Alarm/Restore
Default (ON)

[2] Lifestyle Log Tamper/Restore
Default (ON)

[3] Lifestyle Log Opening/Closing
Default (ON)

[4] Lifestyle Log System Maintenance
Default (ON)

[5] Lifestyle Log System Test
Default (ON)

[6] Lifestyle Log IT-235 Events
Default (ON)

[7]-[8] Reserved
Default (ON)

64 Zone Notification Toggle Options

[682] Notification Zone 1 - 8 Toggle Options
The default for each Notification Zone Toggle is ON.

Table 15: Notification Zone 1 - 8 Toggle

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZONE</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
</tbody>
</table>

[683] Notification Zone 9 - 16 Toggle Options
The default for each Notification Zone Toggle is ON.

Table 16: Notification Zone 9 - 16 Toggle

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZONE</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
</tr>
</tbody>
</table>

[684] Notification Zone 17 - 24 Toggle Options
The default for each Notification Zone Toggle is ON.

Table 17: Notification Zone 17 - 24 Toggle

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
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<th>07</th>
<th>08</th>
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<tr>
<td>ZONE</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
</tr>
</tbody>
</table>

[685] Notification Zone 25 - 32 Toggle Options
The default for each Notification Zone Toggle is ON.

Table 18: Notification Zone 25 - 32 Toggle

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
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<tbody>
<tr>
<td>ZONE</td>
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<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
</tr>
</tbody>
</table>

[686] Notification Zone 33 - 40 Toggle Options
The default for each Notification Zone Toggle is ON.

Table 19: Notification Zone 33 - 40 Toggle

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
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<tr>
<td>ZONE</td>
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<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
</tr>
</tbody>
</table>
[687] Notification Zone 41 - 48 Toggle Options
The default for each Notification Zone Toggle is ON.

Table 20: Notification Zone 41 - 48 Toggle

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>ZONE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
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<td>42</td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
</tr>
</tbody>
</table>

[688] Notification Zone 49 - 56 Toggle Options
The default for each Notification Zone Toggle is ON.

Table 21: Notification Zone 49 - 56 Toggle

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>ZONE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
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<td></td>
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<td>51</td>
<td>52</td>
<td>53</td>
<td>54</td>
<td>55</td>
<td>56</td>
</tr>
</tbody>
</table>

[689] Notification Zone 57 - 64 Toggle Options
The default for each Notification Zone Toggle is ON.

Table 22: Notification Zone 57 - 64 Toggle

<table>
<thead>
<tr>
<th>TOGGLE</th>
<th>ZONE</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>57</td>
<td>58</td>
<td>59</td>
<td>60</td>
<td>61</td>
<td>62</td>
<td>63</td>
<td>64</td>
</tr>
</tbody>
</table>

System Information (Read Only)

NOTE: Sections [987] - [991] are provided for information (Read Only). Values in these sections cannot be modified.

[987] Language Version
This section will display the current language version of the IT-235.

[990] Boot Loader Version
This section will display the current boot loader version of the IT-235.

[991] Firmware Version
This section will display the current firmware version of the device. Update worksheets with new version after a flash update is completed.

System Reset Defaults

[999] Software Default
Default (99)
Software default allows the installer to refresh the unit after changes and also return the IT-235 to default state.

00: Default Module. All programming sections in module reset to factory settings.

NOTE: This will erase all existing IT-235 programming.

55: Reset. The IT-235 is reset. This option is equivalent to power cycling the IT-235.
Programmed Options

[011] Installer Code
Default (CAFE) Valid range: 0000 - FFFF.

[021] Account Code
Default (FFFFFF) Valid range: 000001 - FFFFFFFE.

[022] Communications Format
Default (04) Program 03 (CID), 04 (SIA).

[023] Panel Absent Trouble
Default (FF)

[024] Panel Absent Trouble Restore
Default (FF) Program 00 disable or FF enable.

Interactive Programming Options

[651] Interactive Account Code
Default (000000)

[652] Interactive Access Code
Default (12345678)

Default (05; 115200 Baud)

[662] Interactive Port Settings Toggle
[3]1 or 2 Stop Bits Default (OFF).

[663] Interactive Toggle Option

64 Zone Lifestyle Toggle Options

[672] Lifestyle Zone 1 - 8 Toggle Options

[673] Lifestyle Zone 9 - 16 Toggle Options

[674] Lifestyle Zone 17 - 24 Toggle Options

[675] Lifestyle Zone 25 - 32 Toggle Options

[676] Lifestyle Zone 33 - 40 Toggle Options

[677] Lifestyle Zone 41 - 48 Toggle Options

[678] Lifestyle Zone 49 - 56 Toggle Options

[679] Lifestyle Zone 57 - 64 Toggle Options

[681] Notification Event Toggle

64 Zone Notification Toggle Options

[682] Notification Zone 1 - 8 Toggle Options

[683] Notification Zone 9 - 16 Toggle Options

[684] Notification Zone 17 - 24 Toggle Options

[685] Notification Zone 25 - 32 Toggle Options

[686] Notification Zone 33 - 40 Toggle Options

[687] Notification Zone 41 - 48 Toggle Options

[688] Notification Zone 49 - 56 Toggle Options

[689] Notification Zone 57 - 64 Toggle Options

System Information (Read Only)

[991] Firmware Version

System Reset Defaults

[999] Software Default
Default (99)
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This warranty applies only to defects in parts and workmanship relating to normal use. It does not cover:
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• damage caused by unauthorized attachment, alterations, modifications or foreign objects;
• damage caused by peripherals (unless such peripherals were supplied by Digital Security Controls);
• defects caused by failure to provide a suitable installation environment for the products;
• damage caused by use of the products for purposes other than those for which it was designed;
• damage from improper maintenance;
• damage arising out of any other abuse, mishandling or improper application of the products.

Items Not Covered by Warranty

In addition to the items which void the Warranty, the following items shall not be covered by Warranty: (i) freight cost to the repair centre; (ii) products which are not identified with DSC’s product label and lot number or serial number; (iii) products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection or testing to verify any warranty claim. Access cards or tags returned for replacement under warranty will be credited or replaced at DSC’s option. Products not covered by this warranty, or otherwise out of warranty due to age, misuse, or damage shall be evaluated, and a repair estimate shall be provided. No repair work will be performed until a valid purchase order is received from the Customer and a Return Merchandise Authorization number (RMA) is issued by DSC’s Customer Service.

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WARNING: Digital Security Controls 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.

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Any products returned to DSC which have the Installer’s Lockout option enabled and exhibit no other problems will be subject to a service charge.

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CAUTION: Changes or modifications not expressly approved by the manufacturer could void your authority to use this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television 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.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

The user may find the following booklet prepared by the FCC useful: ‘How to Identify and Resolve Radio/Television Interference Problems’. This booklet is available from the U.S. Government

Industry Canada Statement
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Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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