48-Zone Expandable Security and Access Control System (DGP-848)
What's New with V4.10

Virtual Zones (New)

This feature converts the system's keyswitches to virtual zones. Connect a sensor or other device to a keyswitch input (virtual zone) to automate PGM activations or deactivations without occupying a security zone and without affecting the system's security functions. When using these new keyswitch definitions, the Digiplex 848 generates a Utility Key Event whenever the keyswitch input is opened (keyswitch definition = 3) or when opened and closed (keyswitch definition = 4). The Utility Key Event can then be used to activate or deactivate one or more of the system's PGM outputs. When using these new keyswitch definitions, the keyswitch partition assignment and keyswitch options are disabled.

Section **[149]** to **[156]**: Keyswitches 001 to 008
Second digit = **3**: Keyswitch definition = Generates Utility Key Event on Open only
Second digit = **4**: Keyswitch definition = Generates Utility Key Event on Open & Close

Panel's PGM Event Table†

First digit	Second digit	Options (on/off)							
		1	2	3	4	5	6	7	8
8	0	Utility Key 1	Utility Key 2	Utility Key 3	Utility Key 4	Utility Key 5	Utility Key 6	Utility Key 7	Utility Key 8
	1	Utility Key 9	Utility Key 10	Utility Key 11	Utility Key 12	Utility Key 13	Utility Key 14	Utility Key 15	Utility Key 16

Module's PGM Event Table†

Event Group	Feature Group	Feature	Start #	End #
048	000	Utility Key 001 to 016	001 to 016	001 to 016
	255	Any Utility Key	not used	not used

† *For information on how the Utility Key events are generated, refer to the Utility Key Event Generation Table below.*

Utility Key Event Generation Table

Event Name	Using Keyswitch Definition 3	Using Keyswitch Definition 4	Using Keypad Buttons	Using Remote Controls
Utility Key 1	Keyswitch 001 opens	Keyswitch 001 opens	[1] + [2]	Utility Key 1‡
Utility Key 2	Keyswitch 002 opens	Keyswitch 001 closes	[4] + [5]	Utility Key 2‡
Utility Key 3	Keyswitch 003 opens	Keyswitch 002 opens	[7] + [8]	Utility Key 3‡
Utility Key 4	Keyswitch 004 opens	Keyswitch 002 closes	[CLEAR] + [0] *or* [*] + [0]	Utility Key 4‡
Utility Key 5	Keyswitch 005 opens	Keyswitch 003 opens	[2] + [3]	Utility Key 5‡
Utility Key 6	Keyswitch 006 opens	Keyswitch 003 closes	[5] + [6]	-
Utility Key 7	Keyswitch 007 opens	Keyswitch 004 opens	[8] + [9]	-
Utility Key 8	Keyswitch 008 opens	Keyswitch 004 closes	[0] + [ENTER] *or* [0] + [#]	-
Utility Key 9	-	Keyswitch 005 opens	-	-
Utility Key 10	-	Keyswitch 005 closes	-	-
Utility Key 11	-	Keyswitch 006 opens	-	-
Utility Key 12	-	Keyswitch 006 closes	-	-
Utility Key 13	-	Keyswitch 007 opens	-	-
Utility Key 14	-	Keyswitch 007 closes	-	-
Utility Key 15	-	Keyswitch 008 opens	-	-
Utility Key 16	-	Keyswitch 008 closes	-	-

‡ *You must program a remote control button with a Utility Key option; see Omnia Reference and Installation manual for more details.*

Closing Delinquency (New)

At midnight everyday, Digiplex 848 verifies when the system was last disarmed. If a partition has not been armed within the time programmed in its appropriate Closing Delinquency Timer, Digiplex 848 will transmit a "Closing Delinquency" report code to the central monitoring station.

Sections **[262]** to **[265]**: Closing Delinquency Timer for Partition 1 to 4
001 to 255 days; 000 = disabled (default)

Section **[627]**: Special Arming Codes
___ / ___ Partial Arming
___ / ___ Quick Arming
___ / ___ Closing Delinquency (new)
___ / ___ N/A

CID report code: **1 654** System Inactivity (for automatic report codes)
SIA report code: **CD** System Inactivity (for automatic report codes)

Module's PGM event table: Event Group: 012 Feature Group: 000 Start/End#: 009
Does not function with the control panel's on-board PGMs.

Wireless Transmitter Supervision and Zone/Module Tamper Recognition Options (Modified)

The "Disarmed = Generates trouble only / Armed = Follow zone's *Alarm Type*" setting (OFF/ON) has been modified to generate a trouble whether the system is armed or disarmed. The "Disarmed = Generates silent alarm / Armed = Follow zone's *Alarm Type*" setting (OFF/ON) has been modified to generate a trouble when disarmed and to follow the zone's *Alarm Type* when armed. The "Disabled" (OFF/OFF) and the "Audible alarm" (ON/ON) settings have not changed.

Section **[501]**: System Options
Option **[1]** and **[2]**: Wireless Transmitter Supervision Options
Option **[5]** and **[6]**: Zone and Module Tamper Recognition Options

[1]	[2]	Wireless Transmitter Supervision
OFF	OFF	Disabled (default)
OFF	ON	Trouble only (when armed or disarmed)
ON	OFF	Disarmed = Trouble only Armed = Follow zone's *Alarm Type*
ON	ON	Disarmed = Audible alarm Armed = Follow zone's *Alarm Type*

[5]	[6]	Zone and Module Tamper Recognition
OFF	OFF	Disabled (default)
OFF	ON	Trouble only (when armed or disarmed)
ON	OFF	Disarmed = Trouble only Armed = Follow zone's *Alarm Type*
ON	ON	Disarmed = Audible alarm Armed = Follow zone's *Alarm Type*

Always Force Arm when Regular Arming (New)

When this new option is enabled the system will Force Arm a partition whenever Regular or Force arming is activated.

Section **[506]**: Partition 1 Options
Section **[510]**: Partition 2 Options
Section **[514]**: Partition 3 Options
Section **[518]**: Partition 4 Options

Option **[8]**: Off = Always Force Arm when Regular Arming disabled (default)
On = Always Force Arm when Regular Arming enabled

"Remote Arming/Disarming" and "Cancel Alarm" Report Codes (Modified/New)

The "PC Arm" and "PC Disarm" report codes have been modified to transmit to the central monitoring station whenever the system is armed or disarmed using an InTouch Voice-Assisted Arm/Disarm Module (APR3-ADM2) in addition to when armed or disarmed through a PC (WinLoad). Digiplex 848 can now send a Cancel Alarm report code to the central station every time an alarm is cancelled within the system. The Cancel Alarm event occurs in two instances as described by the Automatic Report Code List shown below.

Section **[626]**: Special Arming Codes
___ / ___ Auto-Arming
___ / ___ PC/Remote Arming (modified)
___ / ___ Late to Close
___ / ___ No Movement

Section **[654]**: Special Disarming Codes
___ / ___ Cancel Auto-Arm
___ / ___ Quick Disarm
___ / ___ PC/Remote Disarming (modified)
___ / ___ Cancel Alarm (new)

Automatic Report Code List

System Event	Contact ID Report Codes	SIA Report Codes
Disarm after alarm* with Master Code (##)	14A1 - Open by User	OP - Opening Report
Disarm after alarm* with User Code (##)	14A1 - Open by User	OP - Opening Report
Disarm after alarm* with Keyswitch (##)	14A1 - Keyswitch Open	OS - Opening Keyswitch
Cancel alarm** with Master Code (##)	14A6 - Open by User	OR - Disarm from Alarm
Cancel alarm** with User Code (##)	14A6 - Open by User	OR - Disarm from Alarm
Cancel alarm** with Keyswitch (##)	14A6 - Keyswitch Open	OS - Opening Keyswitch

* An armed system is or was in alarm and was disarmed by a user.
** A disarmed system is or was in alarm (e.g. 24hr zone) and was disarmed by a user.

Lobbied Partition Arming Method (Modified)

When Regular, Stay or Instant arming a partition, its lobbied partition(s) will Regular arm. When Force arming a partition, its lobbied partition(s) will Force arm. A lobbied partition is a partition that is set to following the arming and disarming of another partition. Refer to sections **[505]**, **[509]**, **[513]**, and **[517]** options **[1]** to **[4]**.

Hardware Changes (Modified)

Improved Pulse Width Modulation (PWM) of the control panel's dialer requires fewer hardware components, increases the dialer's reliability, and improves the method used to generate tones by using a more accurate software-driven process.

Improved Communication Algorithm (Modified)

The communication algorithm between the DGP-848 control panel and its modules was improved.

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