

Digiplex EVO High Security and Access System P ▲ R ▲ D O X™

What's New EVO192 V2.7

Overview

- New zone programming and additional zone/system/anti-mask options
- EN 50131 compliancy
- Now supports automatic label broadcast
- Now supports PGM utility key activation via the iParadox app

The following sections/options have been added to EVO192 V2.7. They may not be included in any manuals, therefore use this document in conjunction with the Digiplex EVO192 Programming Guide.

New Zone Programming and Additional Zone/System/Anti-mask Options

Zone programming (updated)

Use the following updated section to program all zones on your EVO192 control panel. The latest additions are the exceptions attributed to input value "F" in Table 1, and input value "1" in Table 3.

To program zones:

1. Enter section **[0400]**.
2. Enter the zone number you wish to program.

Note: In any zone programming option, pressing **ACC** on the K641/K641R/K641LX, or **▲** on the K656, will save the data and access the next zone on the same option screen. Pressing **TRBL** on the K641/K641R/K641LX, or **△** on the K656, will save the data and return to the previous zone on the same option screen. In addition, if you're using a keypad other than a K641, K641LX, K656, K07C, or K07 (version 2.2 and higher), use the section numbers outlined in Table 5 to program zones. Without a K641, K641LX, K656, or Grafica keypad, you can only program zones 1 to 96.

3. Enter the zone's eight-digit serial number, then it's three-digit input number (the input number is not needed for modules with only one input). Press **0**, and then **ENTER** to clear a zone's serial number.

Note: When programming a keypad zone for the K641/K641R, K656, K07/K07C, or the TM40/TM50 keypads, enter the input number 001. For the K641LX, enter input number 033.

4. Enter the following zone parameters; default setting is (01) (*2*4***):

- a. Zone definition, by referring to Table 1
- b. Partition, by referring to Table 2
- c. Zone option, by referring to Table 3
- d. Zone extended option (1*****), by referring to Table 6

5. Enter the zone's report codes, by referring to Table 4; default: (00) (00) (00) (00).
6. Enter the zone's label.
7. Press **ENTER** to save and proceed to the next zone.
8. Pressing **CLEAR** twice will exit the zone programming menus. To save your modifications, make sure to press **ENTER** before pressing **CLEAR**.

Table 1: Zone definitions

Input Value	Description
0	Disabled (default)
1	Entry delay 1
2	Entry delay 2
3	Follow
4	Instant
5	24 hr. buzzer
6	24 hr. burglary
7	24 hr. hold-up
8	24 hr. gas
9	24 hr. heat
A	24 hr. water
B	24 hr. freeze
C	Delayed 24 hr. fire
D	Standard 24 hr. fire
E	Stay delay 1
F	Stay delay 2/Anti-mask*

Table 2: Partition assignment

Input Value	Description
1	Assign to partition 1
2	Assign to partition 2
3	Assign to partition 3
4	Assign to partition 4
5	Assign to partition 5
6	Assign to partition 6
7	Assign to partition 7
8	Assign to partition 8

Table 3: Zone options

<i>Input Value</i>	<i>Description</i>	
1	Auto zone shutdown enabled*	
2	Bypass enabled (default: ON)	
3	Stay zone	
4	Force zone (default: ON)	
7	Intellizone	
8	Delay before transmission	
<i>Input Value</i>		<i>Zone Alarm Type</i>
5	6	
OFF	OFF	Steady alarm
OFF	ON	Pulsed alarm
ON	OFF	Silent alarm
ON	ON	Report only

*When EN 50131 is enabled, the zone option Auto-zone shutdown (option 1) is enabled for all zones. The zone definition option F (Stay delay 2) is replaced by an anti-masking trouble.

Table 4: Zone report codes

Alarm Report Code	Alarm Restore Report Code	Tamper Report Code	Tamper Restore Report Code
___/___	___/___	___/___	___/___

For Ademco Slow, Silent Knight Fast, Sescoa, Ademco Express, or pager formats, key-in desired two-digit hex values from 00 to FF.

Ademco Format

Use section **[4032]** to program a set of default Ademco report codes from the *Automatic Report Code Programming* list on page 57 of the EVO Programming Guide. Then, to program the remaining report codes or to change some of the defaults, enter the individual sections and key-in the desired two-digit hex value found in the *Contact ID Report Code List* on page 60.

SIA Format

Use section **[4032]** to program a set of SIA report codes from the *Automatic Report Code Programming* on page 57 of the EVO Programming Guide. Codes that have not been set to default can be set to default manually by entering FF in the appropriate section. To disable the reporting of an event, enter **00** in the appropriate section.

Table 5: Section numbers used for zone programming

Zone Number	Zone Serial & Input Numbers	Zone Parameters	Zone Report Codes	Zone Label
1	[0001]	[0101]	[0201]	[0301]
2	[0002]	[0102]	[0202]	[0302]
	+ 1 per zone	+ 1 per zone	+ 1 per zone	+ 1 per zone
96	[0096]	[0196]	[0296]	[0396]

Table 6: Zone extended options

Option	Description	OFF		ON	
1	Zone tamper (follow global settings in section [3034] option 5 & 6)	<input type="checkbox"/>	Disabled	▲	Enabled
2 & 3	Zone tamper supervision		See Table 7		See Table 7
4	Anti-mask trouble (follow global settings in section [3029] option 5 & 6)	<input type="checkbox"/>	Disabled	▲	Enabled
5 & 6	Anti-mask supervision	-	See Table 8	-	See Table 8
7	Future use	-	-	-	-
8	Future use	-	-	-	-

Table 7: Zone tamper options

Option		Description
2	3	
OFF	OFF	Disabled (default)
OFF	ON	Generates trouble only (when armed or disarmed)
ON	OFF	When armed: alarm When disarmed: generates trouble only
ON	ON	When armed: alarm When disarmed: generates audible alarm

Table 8: Anti-mask supervision options

Option		Description
5	6	
OFF	OFF	Disabled (default)
OFF	ON	Generates trouble only (when armed or disarmed)
ON	OFF	When armed: alarm When disarmed: generates trouble only
ON	ON	When armed: alarm When disarmed: generates audible alarm

PCS Module Programming

Table 9: PCS module programming section [2950]

Section	Option	Description	OFF		ON	
Section [2950] PCS Module Programming	1	GSM reporting	▲	See manual	<input type="checkbox"/>	See manual
	2	GSM reporting	▲	See manual	<input type="checkbox"/>	See manual
	3	Future use	-	-	-	-
	4	Future use	-	-	-	-
	5 & 6	GSM/GPRS No service supervision	-	See Table 10	-	See Table 10
	7	GSM/GPRS module tamper (need PCS250 version 1.2 and higher)	▲	Disabled	<input type="checkbox"/>	Enabled
	8	GSM/GPRS RF jamming supervision	<input type="checkbox"/>	Disabled	▲	Enabled

Table 10: GSM/GPRS no service supervision (options 5 and 6 for section [2950] above)

Option		Description
5	6	
OFF	OFF	Disabled
ON	OFF	When disarmed: trouble only; when armed: trouble only
OFF	ON	When disarmed: trouble only; when armed: audible only
ON	ON	Silent alarm becomes audible alarm

System Options

Table 11: System options section [3029]

Section	Option	Description	OFF		ON	
Section [3029] System Options	1	Enable if using an RTX3 without an K641/K641R	▲	Disabled	<input type="checkbox"/>	Enabled
	2	Future use	-	-	-	-
	3	Future use	-	-	-	-
	4	EN 50131 compliant mode	▲	Disabled	<input type="checkbox"/>	Enabled
	5 & 6	Anti-mask supervision	-	See Table 12	-	See Table 12
	7	Generate anti-mask trouble if detected on bypass zone	▲	Yes	<input type="checkbox"/>	No
	8	Restrict arming on anti-mask trouble	▲	Disabled	<input type="checkbox"/>	Enabled

Table 12: Anti-mask supervision (options 5 and 6 for section [3029] above)

Option		Description
5	6	
OFF	OFF	Disabled (default)
OFF	ON	Generates trouble only (when armed or disarmed)
ON	OFF	When armed: alarm When disarmed: generates trouble only
ON	ON	When armed: alarm When disarmed: generates audible alarm

EN 50131 Compliance

The following sections describe the programming required for your panel to be EN 50131 compliant. To set your panel to be EN 50131 compliant:

1. Enter section [4049] to unlock the software.
2. Enter section [4039] to set all relevant sections to EN 50131 compliant default settings.

When your EVO panel is compliant with EN 50131 standards, the following programming sections are enabled and set as default.

PCS Module Programming

Table 13: PCS module programming section [2950]

Section	Option	Description	OFF		ON	
Section [2950] PCS Module Programming	1	GSM reporting	▲	See PCS manual	<input type="checkbox"/>	See PCS manual
	2	GSM reporting	▲	See PCS manual	<input type="checkbox"/>	See PCS manual
	3	Future use	-	-	-	-
	4	Future use	-	-	-	-
	5	GSM/GPRS no service supervision	<input type="checkbox"/>	See Table 14	▲	See Table 14
	6		▲		<input type="checkbox"/>	
	7	GSM/GPRS module tamper	<input type="checkbox"/>	Disabled	▲	Enabled
	8	GSM/GPRS RF jamming supervision	<input type="checkbox"/>	Disabled	▲	Enabled

Table 14: GSM/GPRS no service supervision (options 5 and 6 for section [2950] above)

Option		Description
5	6	
OFF	OFF	Disabled
ON	OFF	When disarmed: trouble only; when armed: trouble only
OFF	ON	When disarmed: trouble only; when armed: audible only
ON	ON	Silent alarm becomes audible alarm

Control Panel Settings

Table 15: Control panel settings

Section	Data	Description	Default Setting
[3021]	___/___	Trouble shutdown (00-15)	10

System Options

Table 16: Description of section [3029]

Section	Option	Description	OFF		ON	
Section [3029] System Options 1	1	Enable if using an RTX3 without an K641/K641R	▲	Disabled	<input type="checkbox"/>	Enabled
	2	Future use	-	-	-	-
	3	Future use	-	-	-	-
	4	EN 50131 compliant mode	<input type="checkbox"/>	Disabled	▲	Enabled
	5	Anti-mask supervision	<input type="checkbox"/>	See Table 17	▲	See Table 17
	6		▲		<input type="checkbox"/>	
	7	Generate anti-mask trouble if detected on bypass zone	▲	Yes	<input type="checkbox"/>	No
	8	Restrict arming on anti-mask trouble	▲	Disabled	<input type="checkbox"/>	Enabled

Table 17: Anti-mask supervision (options 5 and 6 for section [3029] above)

Option		Description
5	6	
OFF	OFF	Disabled
OFF	ON	Generates trouble only (when armed or disarmed)
ON	OFF	When armed: alarm (default) When disarmed: generates trouble only
ON	ON	When armed: alarm When disarmed: generates audible alarm

Table 18: Description of section [3033]

Section	Option	Description	OFF		ON	
Section [3033] System Options 3	1	Multiple actions in user menu	▲	Disabled	<input type="checkbox"/>	Enabled
	2	User code length	▲	Fixed	<input type="checkbox"/>	Flexible
	3	User code length (if option 2 is OFF)*	▲	4 digits	<input type="checkbox"/>	6 digits
	4	Power save mode	<input type="checkbox"/>	Disabled	▲	Enabled
	5	Bypass not displayed if system is armed	<input type="checkbox"/>	Disabled	▲	Enabled
	6	Trouble latch	<input type="checkbox"/>	Disabled	▲	Enabled
	7	EOL resistor on hardwire zones	<input type="checkbox"/>	Disabled	▲	Enabled
	8	Zone doubling (ATZ)	▲	Disabled	<input type="checkbox"/>	Enabled

*All numbers from 000000 to 999999 are valid giving a total of 1,000,000 different possible combinations.

Table 19: Description of section [3034]

Section	Option	Description	OFF		ON	
Section [3034] System Options 4	1	Wireless transmitter supervision	▲	See Table 20	<input type="checkbox"/>	See Table 20
	2		▲		<input type="checkbox"/>	
	3	Generate supervision failure if detected on a bypass wireless zone	▲	Yes	<input type="checkbox"/>	No
	4	Restrict arming on a wireless transmitter supervision failure	▲	Disabled	<input type="checkbox"/>	Enabled
	5	Zone and module tamper recognition options		See Table 21		See Table 21
	6					
	7	Generate tamper if detected on bypass zone	<input type="checkbox"/>	Yes	▲	No
	8	Restrict arming on tamper trouble	<input type="checkbox"/>	Disabled	▲	Enabled

Table 20: Wireless transmitter supervision (options 1 and 2 for section [3034] above)

Option		Description
1	2	
OFF	OFF	Disabled (default)
OFF	ON	Generates trouble only (when armed or disarmed)

Table 20: Wireless transmitter supervision (options 1 and 2 for section [3034] above)

ON	OFF	When armed: alarm When disarmed: generates trouble only
ON	ON	When armed: alarm When disarmed: generates audible alarm

Table 21: Zone and module tamper recognition (options 5 and 6 for section [3034])

Option		Description
5	6	
OFF	OFF	Disabled
OFF	ON	Generates trouble only (when armed or disarmed)
ON	OFF	When armed: alarm (default) When disarmed: generates trouble only
ON	ON	When armed: alarm When disarmed: generates audible alarm

Table 22: Description of section [3035]

Section	Option	Description	OFF		ON	
Section [3035] System Options 5	1	Restrict arming on AC failure	▲	Disabled	<input type="checkbox"/>	Enabled
	2	Restrict arming on battery failure	▲	Disabled	<input type="checkbox"/>	Enabled
	3	Restrict arming on bell or auxiliary failure	<input type="checkbox"/>	Disabled	▲	Enabled
	4	Restrict arming on TLM failure	<input type="checkbox"/>	Disabled	▲	Enabled
	5	Restrict arming on module troubles	<input type="checkbox"/>	Disabled	▲	Enabled
	6	Account number transmission	▲	Partition #	<input type="checkbox"/>	Tel #
	7	Transmit zone status on serial port*	▲	Disabled	<input type="checkbox"/>	Enabled
	8	Serial port baud rate	<input type="checkbox"/>	38400	▲	57600
*This option is used by certain event monitoring software, such as Hyperterminal. With WinLoad and printers, it is always being transmitted.						

Table 23: Description of section [3037]

Section	Option	Description	OFF		ON	
Section [3037] System Options 4	1	Call back	▲	Disabled	<input type="checkbox"/>	Enabled
	2	Automatic event buffer transmission	▲	Disabled	<input type="checkbox"/>	Enabled
	3	Autotest report transmission options		See Table 24		See Table 24
	4					
	5	Keypad beep on successful arming/disarming report	▲	Disabled	<input type="checkbox"/>	Enabled
	6	Alternate dialing	▲	Disabled	<input type="checkbox"/>	Enabled
	7	Dial tone delay (if no dial tone)	▲	Disabled	<input type="checkbox"/>	Enabled
	8	Report zone restore ON = Upon zone closure OFF = Upon bell cut-off	<input type="checkbox"/>	Disabled	▲	Enabled

Table 24: Test report transmission (options 3 and 4 for section [3037])

Option		Description
3	4	
OFF	OFF	Transmit the test report code every time the days programmed in section [3040] have elapsed, at the time programmed in section [3041]; (default)
OFF	ON	When armed: transmit test report code every time the time programmed in section [3042] has elapsed When disarmed: transmit test report code every time the time programmed in section [3043] has elapsed
ON	OFF	The control panel will transmit the test report code every hour, on the minute value programmed in section [3041] (the last two digits); the first two digits of section [3041] will be ignored; for example, if 10:25 was programmed in section [3041], the test report code would be transmitted at the 25th minute of every hour; i.e., 11:25, 12:25, etc.
ON	ON	The test report code will be transmitted when one or more of the conditions of the second and third options, listed above, are met; i.e., option 3 = OFF and option 4 = ON, or option 3 = ON and option 4 = OFF

Partition Timers

Description (Decimal Values from 000 to 255)	Partition 1		Partition 2		Partition 3		Partition 4	
	Section	Data	Section	Data	Section	Data	Section	Data
Number of invalid codes before lockout (default: 010)	[3105]	__/_/	[3205]	__/_/	[3305]	__/_/	[3405]	__/_/
Keypad lockout duration (default: 02)	[3106]	__/_/	[3206]	__/_/	[3306]	__/_/	[3406]	__/_/
Auto-zone shutdown (default: 010)	[3114]	__/_/	[3214]	__/_/	[3314]	__/_/	[3414]	__/_/

Description (Decimal Values from 000 to 255)	Partition 5		Partition 6		Partition 7		Partition 8	
	Section	Data	Section	Data	Section	Data	Section	Data
Number of invalid codes before lockout (Data x 1 attempt; default: 010)	[3505]	__/_/	[3605]	__/_/	[3705]	__/_/	[3805]	__/_/
Keypad lockout duration (default: 02)	[3506]	__/_/	[3606]	__/_/	[3706]	__/_/	[3806]	__/_/
Auto-zone shutdown (default: 010)	[3514]	__/_/	[3614]	__/_/	[3714]	__/_/	[3814]	__/_/

Now supports Automatic Label Broadcast

The panel will automatically broadcast its labels when a new keypad is connected to the system.

Now supports PGM utility key activation via iParadox

The user can now activate PGM utility keys 1 to 8 from the iParadox application.