Pyronix

CarDefender

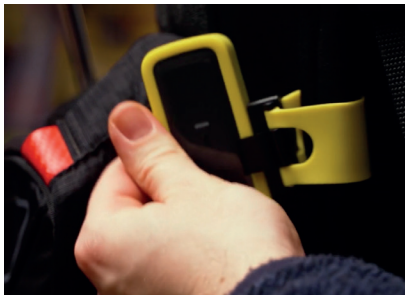
Installation Scenarios

CARDEFENDER-WE
Combined technology vehicle protector
PARTCODE: CARDEFENDER-WE

for installation guides

PyronixInfo

Zone Programming



CHANGE INPUTS?

Zone type

Intruder
This zone type will sound a full alarm and communicate 'intruder' when the CarDefender is triggered.
This cannot be used with any graded systems.

Switcher
This zone type is used to send only a notification when the CarDefender is triggered.

Areas

Areas that the CarDefender is active in.

Zone area

Any
Requires any area the CarDefender is active in to be armed.

All
Requires all the areas the CarDefender is active in to be armed.
This is not the recommended option for the CarDefender.

Location Codes and Voice Notifications

Location text	Voice notification delivered when programmed as:	
	Intruder Zone Type	Switcher Zone Type
[blank]	Alarm	Perimeter breached
,ch	Chime alert	Chime alert
,ev	Event on alarm system	Event on alarm system
,gf	Fault on alarm system	Fault on alarm system
,cd	Car Defender Activate	CarDefender activated
,ed	External detector active	External detector active
,fd	Front door open	Front door open
,bd	Back door open	Back door open
,fl	Flood detector activated	Flood detector activated

A name for the CarDefender can be entered here. This is what will appear on notifications to HomeControl2.0 and in log entries.

Entering a specific 'code' here will determine the voice notification delivered when the CarDefender is triggered.

Input Attributes	Input description	Input location
Chime	The internal sounder will sound a chime noise if enabled. **Single** - Chimes once when the CarDefender is triggered. **Follow** - Chimes when the CarDefender is triggered and only stops once the CarDefender is inactive.	
Omittable	Enables the CarDefender to be manually omitted from the next area arm. This will not work if the zone is programmed as a switcher.	
Double knock	The system will only generate an alarm if the CarDefender is triggered twice within a pre-set period.	
Normally open	This must be set to 'No' as it will not work with the CarDefender.	
Occupancy	If enabled, and the CarDefender is not triggered before the timer expires, a programmed action is taken. If the detector is triggered, the timer is reset. This is not recommended for use with the CarDefender.	
Monitor activity	Will generate an internal alarm and a log entry if no activity is detected for a period of time. This is not recommended for use with the CarDefender.	
Special log	Forces a log entry when the CarDefender is triggered, even when an alarm does not result. **None** - Will not create log entries unless programmed as intruder and triggered into alarm. **Set** - Will create a log entry only when the area the CarDefender is active in is armed. **Unset** - The CarDefender is not designed to work with this option. **Always** - The CarDefender is not designed to work with this option.	
Supervision	This should be left to 'Yes' for the panel to supervise the battery of the CarDefender.	
Confirm group	If zones are programmed into the same confirm group, multiple zones activated in the same confirm group will only generate an unconfirmed alarm signal. This should be left as '00', so the CarDefender is not part of any group.	

Recommended Set-Up

Scenario
A two storey house, with a garage and a car.

Aim
To create a system that can arm and disarm:
- Full house
- Bedtime
- Garage
- Car

Arming and Disarming
- Customer leaving the house in the day. Arm Area A.
- Customer going to bed. Arm Area B.
- Customer in the house during the day. Arm Area C.
- Anytime the customer wants the car to be secured, Arm Area D, and leave it armed.

Areas A, B and C (full, bedtime and garage) should only have one of them armed at any one time, as they overlap, although arming them together is possible.

Area D should be armed whenever the car needs securing and disarmed when the car is in use.

Pros and Cons
+ Each area can be controlled individually, allowing for the car to be armed constantly and separately from the house and garage.

+ Having the CarDefender on its own individual area allows the system to still be compliant to grade 2.

- Must remember to disarm A, B or C before arming another of the aforementioned areas.

- Must remember to arm Area D for the car to be protected.

Enforcer Programming for CarDefender

Menu Item	Option	Menu Item	Option
Zone Type	12 Switcher	Occupancy	No
Areas	D	Monitor activity	No
Zone area	Any	Special log	Set
Chime	No	Supervision	Yes
Omittable	No	Confirm group	00
Double knock	No	Input description	[INSERT NAME]
Normally open	No	Location	,cd

Enforcer Area Set-Up
The Enforcer should be programmed with 'Use Level Set' turned 'off'. This allows the areas to be armed and disarmed independently.
- All devices located upstairs are allocated to A only.
- All devices located on the ground floor are allocated to A and B.
- Devices protecting the garage are located in areas A, B and C.
- The CarDefender is allocated to Area D. This keeps the device independent therefore the system can stay compliant to grade 2.

Area A


Area B


Area C


Area D


Recommended Set-Up with 2 Vehicles

Scenario

A two storey house, with a garage and 2 cars.

Aim

To create a system that can arm and disarm:

- Full house
- Bedtime
- Car 1
- Car 2

Arming and Disarming

- Customer leaving the house in the day. Arm Area A.
- Customer going to bed. Arm Area B.
- Anytime the customer wants car 1 to be secured, Arm Area C, and leave it armed.
- Anytime the customer wants car 2 to be secured, Arm Area D, and leave it armed.

Areas A and B (full and bedtime) should only have one armed at any one time, as they overlap, although arming them together is possible.

Areas C and D (car 1 and car 2) should be armed whenever the respective car needs securing and disarmed when the car is in use.

Pros and Cons

+ Each area can be controlled individually, allowing for the cars to be armed constantly and separately from each other and the house.

+ Having the CarDefenders on their own individual areas allow the system to still be compliant to grade 2.

- Must remember to arm Area C and/or D for the car(s) to be protected.

Enforcer Programming for CarDefender 1

Menu Item	Option	Menu Item	Option
Zone Type	12 Switcher	Occupancy	No
Areas	C	Monitor activity	No
Zone area	Any	Special log	Set
Chime	No	Supervision	Yes
Omittable	No	Confirm group	00
Double knock	No	Input description	[INSERT NAME]
Normally open	No	Location	,cd

Enforcer Programming for CarDefender 2

Menu Item	Option	Menu Item	Option
Zone Type	12 Switcher	Occupancy	No
Areas	D	Monitor activity	No
Zone area	Any	Special log	Set
Chime	No	Supervision	Yes
Omittable	No	Confirm group	00
Double knock	No	Input description	[INSERT NAME]
Normally open	No	Location	,cd

Enforcer Area Set-Up

The Enforcer should be programmed with 'Use Level Set' turned 'off'. This allows the areas to be armed and disarmed independently.

- All devices located upstairs are allocated to Area A only.
- All devices located on the ground floor and garage are allocated to areas A and B.
- The CarDefender on car 1 is allocated to Area C and the CarDefender on car 2 is allocated to Area D. This keeps the devices independent therefore the system can stay compliant to grade 2.

Area A

Area B

Area C

Area D

Programmed as an Intruder Zone

Scenario

A two storey house, with a garage and a car.

Aim

To create a system that can arm and disarm:

- Full house
- Bedtime
- Garage
- Car

Arming and Disarming

- Customer leaving the house in the day. Arm Area A.
- Customer going to bed. Arm Area B.
- Customer in the house during the day. Arm Area C.
- Anytime the customer wants the car to be secured, Arm Area D, and leave it armed.

Areas A, B and C (full, bedtime and garage) should only have one of them armed at any one time, as they overlap, although arming them together is possible.

Area D should be armed whenever the car needs securing and disarmed when the car is in use.

Pros and Cons

+ Each area can be controlled individually, allowing for the car to be armed constantly and separately from the house and garage.

+ If CarDefender is triggered, the full alarm including the external bell(s) is activated.

- Must remember to disarm A, B or C before arming another of the aforementioned areas.

- Must remember to arm Area D for the car to be protected.

Enforcer Programming for CarDefender

Menu Item	Option	Menu Item	Option
Zone Type	6 Intruder	Occupancy	No
Areas	D	Monitor activity	No
Zone area	Any	Special log	Set
Chime	No	Supervision	Yes
Omittable	No	Confirm group	00
Double knock	No	Input description	[INSERT NAME]
Normally open	No	Location	,cd

Enforcer Area Set-Up

The Enforcer should be programmed with 'Use Level Set' turned 'off'. This allows the areas to be armed and disarmed independently.

- All devices located upstairs are allocated to A only.
- All devices located on the ground floor are allocated to A and B.
- Devices protecting the garage are located in areas A, B and C.
- The CarDefender is allocated to Area D.

Area A

Area B

Area C

Area D

Important to note

Any system that is signalling to an ARC must not have a CarDefender programmed as 'Intruder'.
Engineer restore for confirmed should also be switched off. If the CarDefender is triggered then a zone in A, B, C is triggered, it will create a confirmed alarm.

Compatibility

Enforcer V11

- The Enforcer panel is a hybrid control panel with wireless on-board.
- The CarDefender will learn straight to the panel without the need for any expander.
- Programmed correctly, the CarDefender will function as designed, providing an added level of security to assets outside the main house.

The Enforcer must be software version 10.20 or later with the v3.54 hub to work with the CarDefender.

EURO 46 with Wireless ZEM

- The EURO 46 panel is a hybrid control panel with wired zones on board.
- To make this system hybrid, and capable of utilising the CarDefender, it needs a wireless ZEM adding.
- The programming of the CarDefender is the same on the EURO 46 panel as it would be on an Enforcer panel.

The hub version of the wireless ZEM must be v3.54 or later to work with the CarDefender.

UR2-WE

- The UR2-WE is a universal receiver which a CarDefender can communicate with, and will change the state of an output when triggered.
- The UR2-WE's output is wired to a zone on the panel triggering the zone when the CarDefender is activated. This allows the CarDefender to be interfaced with **any** alarm system and the system will react depending on how the zone is programmed.

The hub version of the UR2-WE must be v4.03 or later to work with the CarDefender.

Pyronix Wireless Devices

In addition to providing vehicle protection, we offer a wide range of products tailored to meet various security, protection, and life safety needs. Here are a selection of our top-selling wireless peripherals.

KX12DQ-WE
12m PIR detector
Partcode: KX12DQ-WE

KX12DT-WE
12m dual technology detector
Partcodes: KX12DT1-WE | KX12DT2-WE | KX12DT3-WE

KX10DP-WE
10m pet tolerant detector
Partcode: KX10DP-WE

XDL12TT-WE
External 12m tri-technology detector
Partcodes: XDL12TT1-WE | XDL12TT2-WE | XDL12TT3-WE

MCNANO-WE
Magnetic contact
Partcode: MCNANO-WE

MC1Z1-WE
Combined magnetic contact and universal transmitter
Partcode: MC1Z1-WE

MCEXTERNAL-WE
External IP rated magnetic contact
Partcode: MCEXTERNAL-WE

NANO/SHOCK-WE
Compact shock sensor
Partcode: NANO/SHOCK-WE

ASSET PROTECTOR
Accelerometer
Partcode: ASSET-WE

DELTABELL-WE
External audible and visual warning device
VARIOUS COLOUR OPTIONS

SMOKE-WE
Life safety smoke detector
Partcode: SMOKE-WE2

CO-WE
Life safety carbon monoxide detector
Partcode: CO-WE2

HEAT-WE
Life safety heat detector
Partcode: HEAT-WE

DOORBELLCAM
Battery powered external Wi-Fi doorbell with SD card
Partcode: DOORBELL/KIT-SDC

BATTERYCAM
Battery powered external Wi-Fi camera with SD card
Partcode: BATTERYCAM/KIT-SD

SMARTPLUG
Remotely operated 230v smart plug device
Partcode: SMARTPLUG