

# ENFORCER

two way wireless technology

**More Security**  
**More Flexibility**  
**More Range**  
**More Reliability**



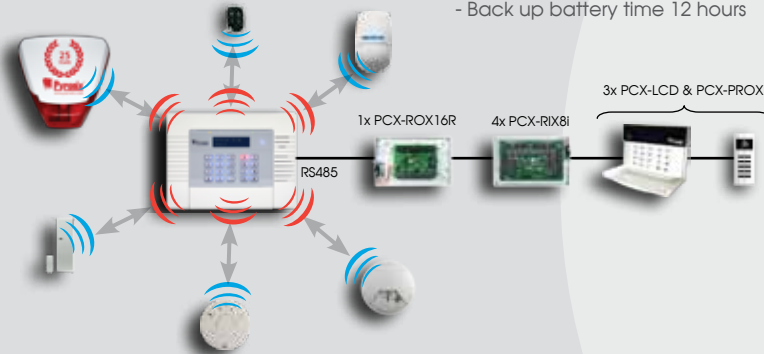
## Enforcer 32WE

The Enforcer is a wireless system that includes a 32 wireless and 34 wired input control panel (Enforcer 32WE) and a large variety of wireless accessories. The Enforcer uses the Pylonix two way wireless technology, designed to ensure high security protection for users. Each device, including the wireless movement detectors, are both transmitters and receivers allowing the implementation of technologies such as Signal Strength Indicator (SSI), Instant Two Way Device Control (ITDC), 128 bit high security wireless encryption protocol, and intelligent wireless jamming detection.

*Open Space Wireless Range 1km*  
*868MHz FM Transceiver*  
*Programmable wireless supervision time*  
*Intelligent wireless jamming detection*

- 4 Independent Areas
- 32 Wireless Input
- 2 Wired inputs (expandable to 34)
- 3 Wired outputs (expandable to 19)

- 75 User codes
- Up to 19 User Automation Outputs
- Up to 32 Wireless keyfobs with individual ID
- Up to 3 wired Keypads/Readers
- Arming/disarming tag reader on the keypad
- 750 Event log with time and date
- 12V Auxiliary output
- Integrated Internal Siren
- Back up battery time 12 hours



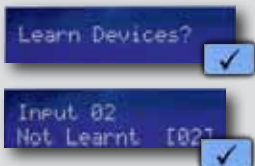
### Friendly Programming Menu

The Enforcer has a clean, easy to use full text programming menu that enables installers to quickly program the relevant functions, without having to use a manual.

### Quick, Easy and Efficient - One Push To Learn

Assigning wireless devices to the system is made quick and easy by the 'one push to learn' feature:

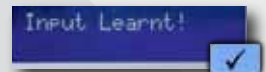
**1. Choose an input to learn the device to**



**2. Insert battery and press the LEARN button**



**3. Input learnt**



## Technology

### Two Way Wireless Technology

Each wireless device on the Enforcer system, including movement detectors, is both a transmitter and a receiver. The wireless technology used on the Enforcer system holds a significant advantage over one way and the majority two way wireless products currently available on the market:

1) All wireless devices know when the system is armed and disarmed.

**Armed:** All movement detectors are permanently awake, making the protection much more secure.

**Disarmed:** The detection component of the movement detectors is disabled, preserving battery power. However, the detectors still communicate with the control panel via low power supervision messages.

**Alarm Condition:** During an alarm condition each activation of the movement detectors (PIR and DT) is transmitted to the ARC and user, as well as registering in the memory log. This is only possible because detectors in the Enforcer system do not have battery save mode when armed (i.e. do not sleep for 5 minutes after the first activation).

2) The Enforcer two way wireless system allows the implementation of the double knock feature for every wireless movement detector (both, PIRs and DTs). This feature is normally found on wired systems and is used to reduce false alarms on difficult installations.

### Pyronix High Security Wireless Protocol Encryption

The Two Way Wireless Protocol has been developed by Pyronix to ensure that the communication between all wireless system components is protected to a very high security level. The protocol uses the 128 BITS Pyronix advanced encryption key.

### Instant Two Way Device Control (ITDC)

The ITDC technology enables instant wake up and instant sleep of each device on the system, allowing continuous communication between the control panel and wireless devices whilst preserving battery power.

This technology not only provides installers with total control of each device, but also gives users peace of mind that they have a reliable and secure wireless system.

### InSite Upload/Download (UDL) Software:

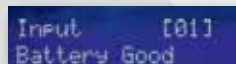
The UDL software is capable of uploading/downloading off site programming; displaying full diagnostics; event logs; remotely arming/disarming the system and a full Signal Strength Test (SSL).

### Engineer Diagnostics Menu:

The diagnostic menu allows the installer to view wireless status, signal strength and battery levels for all devices including sirens. It also allows the installer to view wired input resistances, auxiliary readings, tampers and faults on all devices.



O	Input Open	T	Input Tamper
C	Input Closed	-	Not Used
F	Input Fault		



### Battery Diagnostics Display:

Testing, Good, or Replace

## Wireless Signal Strength Indicator (SSI)

One of the key advantages of implementing ITDC technology is to allow the installer to view the wireless transmission signal strength on both the control panel and wireless devices in real time.

This feature is known as the wireless Signal Strength Indicator (SSI).

Each wireless device has an inbuilt wireless signal strength indicator to allow the installer to view the signal strength on the device during the installation.

### SSI On The Wireless Device



If a **GREEN** LED illuminates on the device, the wireless signal is strong enough at the location of where the device is to be installed.



If a **RED** LED illuminates on the device, the wireless signal is not strong enough at the location of where the device is to be installed.

### SSI On The Control Panel

The signal strength for each device can also be viewed on the control panel itself in two ways:

#### Snapshot View:

This method allows the installer to view all inputs at once on the LCD display showing 3 as Excellent signal strength, 2 as Good signal strength, 1 as Weak signal strength and 0 as out of range signal.



02232033  
02232034  
02232035



Device Missing (0)  
Signal Weak (1)



Signal Good (2)  
Signal Excellent (3)

#### Individual View:

This method allows the installer too view the signal strength of each individual wireless device in percentages between 0% to 100%.

If the SSI reading is less than 10% the device should be relocated to a location with a higher percentage of wireless transmission.



Input [04]  
Excellent [80]

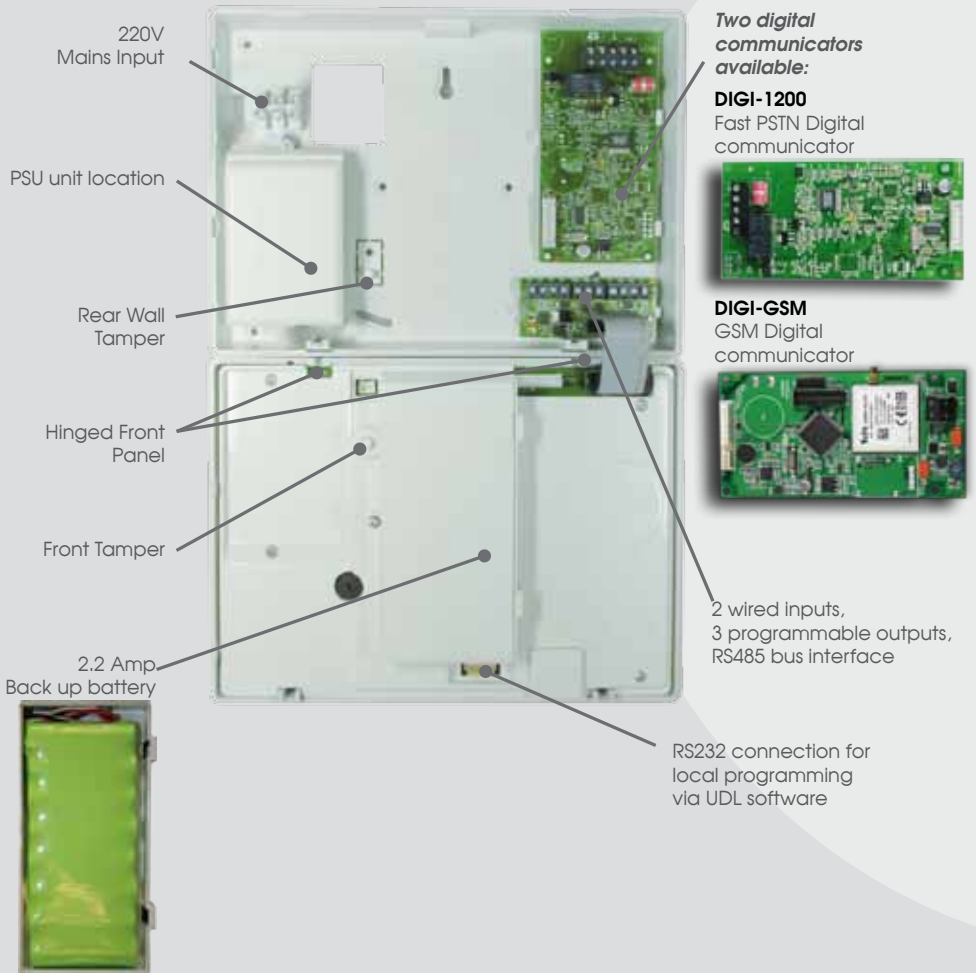


Signal Excellent (80%)

## 1,2,3 Step Friendly Installation

The Enforcer control panel has numerous design features that allow for a quick and easy installation:

1. Fix the back casing to the wall.
2. Wire the mains cable to the mains terminal connectors and connect the telephone line if Digi 1200 is used or connect Digi GSM.
3. Ready to program.



## Enforcer Wireless Accessories

### Wireless Security Sensors



**KX12DT-WE**  
12m Two Way Wireless dual technology detector



**KX12DQ-WE**  
12m Two Way Wireless PIR detector



**KX10DP-WE**  
10m Two Way Wireless pet immune detector



**MC1-WE**  
Two Way Wireless Magnetic Contact/Universal Transmitter with 1 reed/1 input + tamper input.  
1 wireless channel



**RS1-WE**  
Two Way Wireless Magnetic Contact/Roller Shutter with 1 reed/2 inputs + tamper input.  
2 wireless channels

### Repeater



**\*REPEATER**  
Wireless repeater to increase the radio transmission distance

### Sounder



**DELTABELL-WE**  
Two Way Wireless External Siren, with an option to hardwire the PSU.

\*coming soon

### Wireless Safety Sensors



**WL-WE**  
Two Way Wireless Water Leak Detector including cable + sensor



**SHOCK-WE**  
Two Way Wireless Shock Sensor



**SMOKE-WE**  
Two Way Wireless Smoke Detector



**CO-WE**  
Two Way Wireless Carbon Monoxide Detector



**\*BG-WE**  
Two Way Wireless Breakglass Detector

### Wireless Arming Devices



**KF4-WE**  
4 Button Two Way Wireless Keyfob with status LED, indicating ARM/DISARM/ALARM/FAULTS



**\*LED-ARMKIT**  
LED Arming Two Way Wireless Keypad

## Enforcer Wired System Accessories

### Wired Arming Devices



**PCX-LCD**

Wired LCD Keypad including Proximity Tag Reader



**PCX-PROXI**

Wired Internal Proximity Tag Reader

### Wired Expanders



**PCX-ROX16R**

16 relay wired output expander used for user automated outputs



**PCX-RIX8i**

Wired 8 input expander with Inertia (fast zones)

### Digital Communicators



**DIGI-1200**

Fast 1200BPS PSTN Digital Communicator



**DIGI-GSM**

9600BPS GSM Digital Communicator

### Replacement Batteries (Batteries Included in Products)



**BATT-ENF8XAA**

Back up battery for the control panel.



**BATT-CR2**

CR2 Battery for the MC1-WE, WL-WE, RS1-WE and SHOCK-WE



**BATT-CR123A**

CR123A Battery for effectors and SMOKE-WE



**BATT-CR1/3N**

Lithium CR1/3N Button Cell for the KF4-WE



**BATT-CR34615D**

CR34615 D-Type Battery for Deltabell-WE

### Other Accessories



**BOOTLOADER**

Infield firmware upgrade dongle

The Enforcer Control Unit: 220 x 160 x 48mm



160mm



220mm