



May 2016

# CHALLENGER

YOUR PARTNER IN A MORE SECURE FUTURE

Making your home **safer, smarter** and **greener**



- INTRUDER
- HOME AUTOMATION
- CCTV
- DOOR ACCESS
- SECURITY AND WELCOME LIGHTING

The Power To Supply... All Your Electrical Products

[www.cef.co.uk](http://www.cef.co.uk)



All products are subject to availability and are correct at the time of print. Errors and omissions excepted.

All prices shown are exclusive of VAT where applicable.

# WIRELESS INTRUDER AND SO MUCH MORE

Challenger are excited to introduce **SmartForce** to its extensive Security range.

At it's heart, the smart system is a state of the art, wireless intruder alarm with numerous additional security, surveillance and home automation options.

The SmartForce solution can operate as a stand alone security system or from the cloud with the added benefit of online management of all the devices, gateway and connected applications as well as delivering secure access, user authentication, alert notifications and account management.

Designed with installer in mind, its intuitive user operation and quick, trouble free installation deliver the ultimate smart home experience.

## ALARM

Secure your family and home with instant notifications to your mobile or tablet when any event occurs, whether intruder, fire or flood, SmartForce has it covered



## PLUG & PLAY AND WIRELESS

Easy installation with wireless devices and no tools needed. Wireless devices have up to 250m range with 2 way signals to avoid false alarms.



Connect the SMARTFORCE Hub



Login to your account



Put Batteries in your accessories

## VIDEO SURVEILLANCE

Watch and monitor your home remotely with live HD video, playback footage and downloaded video clips. Videos are stored securely in the cloud and on to internal storage.

LIVE



PLAYBACK



DOWNLOAD



## HOME AUTOMATION

### Control & Dimming



Turn appliances on and off and adjust light brightness

### Energy Saving



Monitor power consumption

### Scenes & Scheduling



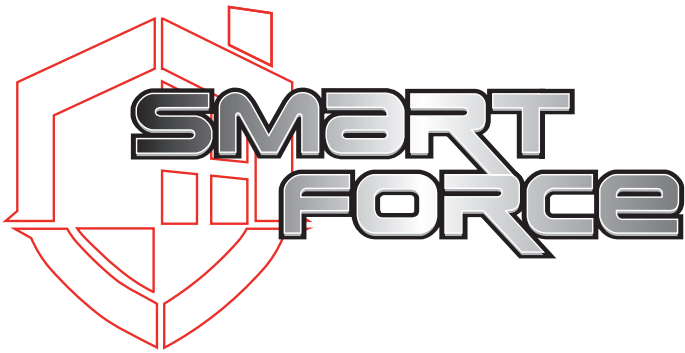
Start a series of actions automatically

### Environment Monitor



Monitor the temperature, air quality and more





## UPGRADE FUNCTIONALITY

SmartForce is supplied with a generous, free of charge service package, which remains free for the life of the system. If additional services or storage are required, preset subscription packages are available, each offering varying degrees of functionality.

## ONLINE TECHNICAL SUPPORT TOOLS

Challenger provides free telephone technical support, backed up through a comprehensive remote management dashboard allowing secure, real time viewing of user status and post event history enabling a quick and efficient response.

## SECURE DATA

Rest assured all data stored in our two cloud servers in separate locations is secure with rigorous authentication protocols and the built in redundancy function ensures data is readily accessible at any time from either server.

## INTRUDER KIT

ASFK1



## KIT CONTAINS:

SmartForce hub, PIR movement sensor, door/window contact, radio fob, solar wireless sounder and cloud service package.

## SMARTFORCE SERVICE PACKAGE

Notifications	Yes
Log history	Last 100
Energy management	Yes
Max. IPCAM supported per account	4 cameras
Viewing period	30 seconds
Max. resolution	720p
Max. camera storage per account	7 days of video files (or latest 50 clips)



**Full control**  
at your  
fingertips

**CHALLENGER**

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**SMART  
FORCE**

# ACCESSORIES

DETECTION

CCTV

ALERT

HOME  
AUTOMATION

CONTROL



Download the FREE  
SmartForce app now!



WIRELESS PIR SENSOR



ASFP1

WIRELESS DOOR/  
WINDOW CONTACT



ASFC1

WIRELESS INTERNAL SOUNDER  
WITH VOICE PROMPTS



ASFS1

WIRELESS WATER  
LEAK SENSOR



ASFW

WIRELESS SMOKE DETECTOR  
EN-14605 APPROVED



ASFSM

WIRELESS SOLAR POWERED  
EXTERNAL SOUNDER



ASF2



WIRELESS RF PLUG/SOCKET  
WITH ENERGY MONITORING



ASFMP

WIRELESS CONTROL FOB



ASFFOB

WIRELESS KEYPAD



ASFKP

INDOOR HD WIFI  
CCTV CAMERA



ASFCAM1



## WIRED KITS WITH ALL NECESSARY COMPONENTS

10 zones, chime facility, low battery warning, door bell feature, multiple user codes and holiday code for full piece of mind.

# FORCE-10

### APF10KIT



### 10 Zone Alarm Kit

- 10 zone alarm panel with on-board keypad
- 12v 1.2AH panel battery
- 3 x PIR detectors
- External LED bell box
- 100m alarm cable
- 2 x surface door/window contacts



**10 Zone Panel Dimensions (mm):** 253 (w) x 195 (h) x 61 (d)

### APF11KITR



### Remote Keypad Kit

- 10 zone alarm panel and LED keypad
- 12v 1.2AH panel battery
- 3 x PIR detectors
- External LED bell box
- 100m alarm cable
- 2 x surface door/window contacts



**Remote Keypad Dimensions (mm):** 130 (w) x 90 (h) x 30 (d)

### APF11KITRL



### LCD Keypad Kit

- 10 zone alarm panel and LCD keypad
- 12v 1.2AH panel battery
- 3 x PIR detectors
- External LED bell box
- 100m alarm cable
- 2 x surface door/window contacts



**LCD Keypad Dimensions (mm):** 130 (w) x 90 (h) x 30 (d)



# CHALLENGER

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## SLIM LINE SECURITY LED RANGE

FLOODLIGHT VULNERABLE AREAS WITH ENERGY EFFICIENT LED LIGHTING



### NEW SLIM LINE LIGHTWEIGHT DESIGN

- Up to 100 lumens per watt
- High output
- Low consumption

PRODUCT IMAGE	PART CODE	CONSUMPTION (W)	LUMEN OUTPUT	COLOUR TEMPERATURE
	SLS10	10W	800LM	5000K
	SLS10P	10W	800LM	5000K
	SLFLF15	15W	1,500LM	5000K
	SLFLF15P	15W	1,500LM	5000K
	SLFLF30	30W	3,000LM	5000K
	SLFLF30P	30W	3,000LM	5000K
	SLFLF50	50W	5,000LM	5000K
	SLFLF50P	50W	5,000LM	5000K
	SLFLF80	80W	8,000LM	5000K
	SLFLF100	100W	10,000LM	5000K
	SLFLF150	150W	15,000LM	5000K



**UP TO 5 YEARS WARRANTY**

PIR SENSOR	AUTO OVERRIDE	DIMENSIONS	WEIGHT	WARRANTY
N/A	N/A	170x25x133mm	0.9KG	3 YEARS
10M 110°	N/A	170x25x153mm	1.0KG	3 YEARS
N/A	N/A	108x37x82mm	0.62KG	5 YEARS
10M 120°	YES (OFF ON OFF ON)	115x56x178mm	0.72KG	5 YEARS
N/A	N/A	171x40x130mm	1.3KG	5 YEARS
10M 120°	YES (OFF ON OFF ON)	179x41x228mm	1.4KG	5 YEARS
N/A	N/A	217x45x154mm	1.9KG	5 YEARS
10M 120°	YES (OFF ON OFF ON)	225x40x250mm	2.0KG	5 YEARS
N/A	N/A	320x86x250mm	5.0KG	5 YEARS
N/A	N/A	320x86x250mm	5.4KG	5 YEARS
N/A	N/A	320x86x250mm	5.4KG	5 YEARS



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## WIFI PIR FLOODLIGHT

### THE ULTIMATE IN PERIMETER PROTECTION GIVING PEACE OF MIND

The **Challenger SLFLEDWIFI PIR Floodlight** has 2 large, energy efficient LED panels, hi-res camera with microphone and PIR movement detector.



-  DETECTS INTRUDERS
-  FLOODLIGHTS THE AREA
-  RECORDS HD VIDEO
-  ALERTS OVER  AND INTERNET
-  ALLOWS REMOTE MONITORING



- 1**
  - Energy efficient LED
  - 2 x 6.5W LED lamps boasting impressive 1100lm output
  - Up to 40,00 hours lifespan, and true 180° flood coverage
- 2**
  - High resolution camera with built in microphone speaker and DVR
  - PIR sensor to activate lamps and provide alarm notification
- 3**
  - Easy to install
  - Quick fix base
  - Wall or under eaves mounting
  - Connects to router via WIFI
- 4**
  - View via WIFI
  - Easy set up through app or WPS
  - Use mobile, tablet or PC to view and capture video and audio
  - CCTV NVR software supplied (up to 8 cameras)





## SLFLEDWIFI Specification

### Floodlight

Supply voltage:	100-240VAC
Lighting style:	2x 6.5W LED
LED output:	>1100 LM
LED coverage:	180°
LED adjustment:	Up 20°, down 45°
LED CRI:	>80
LED Colour:	5000K
Lamp Life:	40,000 hrs

### PIR

Detection angle:	140°
Detection range:	12m
Time adjustment:	5 secs to 10 mins
Lux adjustment:	0 to ∞

### Camera

Lens angle:	120°
Video recording quality:	Up to 1.3MP HD
Frames per second:	25
Alarm:	PIR activation to send alert to app or images to email address

Audio:	2 way (bilateral voice intercom and voice broadcast)
LAN connection:	Wireless through WIFI (WIFI router required). Easy setup via WPS or manually with app wizards
Remote Users:	Maximum 4 users simultaneously
Network protocols:	TCP/IP, UDP, SMTP, PPPoE, Dynamic DNS, DNS Client, SNTP, BOOTP, DHCP, FTP, SNMP, WIFI

### APP

Control:	Add, modify or delete cameras with wizard, QR code or manually
Snapshot:	Save still image remotely whilst viewing real time
Video record:	Save footage remotely whilst viewing real time
Intercom:	Broadcast voice to cameras on board speaker
Monitor:	Listen to audio transmitted from camera
Alert:	Receive PIR activated alarms
Versions:	Android, iOS

Supplied with 16GB MicroSD Card



## ALSO AVAILABLE - NON CAMERA VERSION 30W LED SECURITY FLOODLIGHT

Ideal to keep the same style of lighting if WIFI version installed.

### SLFLED30T



### FEATURES & BENEFITS:

- 2x12W adjustable LED lamps
- Quick fix base
- IP44
- 2,200 lumen
- Adjustable PIR
- 180° coverage
- 12m detection
- 5 seconds to 10 minutes duration
- Auto override

**Twinspot (mm):** 334 (w) x 189 (h) x 120 (d)

## TWIN LED SECURITY LIGHTING



SL24LED

### 8W LED PIR Twinspot

- 2 x 8W adjustable LED lamps
- 1,280 lumen
- Adjustable 10m PIR
- 130° detection

Twinspot (mm): 180 (w) x 208 (h) x 113 (d)



### FULLY ADJUSTABLE HEADS

can point in almost any direction. Ideal for narrow paths, alleys or where light pollution issues may arise.



### QUICK FIX BRACKET

Quick and easy installation. Make electrical connections on base and simply clip fixture in place.

## IDEAL FOR SHEDS AND OUTBUILDINGS, NO MAINS CONNECTION REQUIRED



### SOLAR POWERED

Solar cells with 5m lead charges on integral 3.7v 2600mAh lithium battery cell.



### OFF/ON SWITCH

When lighting not required, unit can be switched off, with charging still occurring.



SL24LEDS

- 6W LED
- 270 lumen
- 2.6Ah lithium battery
- 8m PIR
- 130° detection





## POLYCARBONATE LED SECURITY FLOODLIGHTS



Premium quality LED Security Floodlights with top of the range features.  
**Available in 13w and 26w options, black and white, with PIR or slave versions.**

FEATURE	BENEFIT
<b>Stylish polycarbonate design</b>	Suitable for even the most prestige locations in both black and white, will not rust
<b>CREE COB LED</b>	Industry leading performance giving up to 2200 lumens
<b>Additional output load</b>	Enabling additional lighting up to 800 watt to be controlled (slave fittings available: SLRF26SB & SLRF26SW)
<b>Adjustable slim line lamp head</b>	Allowing optimum illumination - head turns 50° horizontally and 45° vertically
<b>Adjustable PIR sensor</b>	Up to 240° coverage, 2-10m range and blanking inserts to fully tailor coverage
<b>Auto override</b>	Activates light continuously for 6 hours, ideal when entertaining
<b>Quick fix base</b>	Easy and quick installation allowing 1st fix of base only

**SLRF13W, SLRF13B, SLRF26W & SLRF26B: PIR Versions**  
**SLRF26SW & SLRF26SB: Slave Versions**

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# SECURITY LIGHTING PIR'S

SWITCH ANY TYPE OF EXTERNAL LIGHTING WITH THE CHALLENGER RANGE OF SENSORS TO MAXIMISE ENERGY SAVING AND MINIMISE LIGHT POLLUTION



SL01/2/3

SL180N

## Wall / Ceiling Sensors

- PIR 10m detection
- Suitable for any type of lighting load
- Adjustable sensor head
- Lens shield supplied
- White or black

SL01B & SL01W: 110° Coverage

SL02B, SLO2W, SL180BW & SL180N: 180° Coverage

SL03B & SL03: 270° Coverage



Wall

SL04B

Ceiling

## High Switching Capacity 2000w

- 210° coverage
- PIR 10m detection
- Wall / ceiling mount
- Quick fix base





## SECURITY BULKHEADS

Traditionally styled bulkheads offering **robust protection** and lighting suitable for security or welcome scenarios.



**SL11LED**

### LED PIR Bulkhead

- PIR operated
- 12m detection distance
- 110° coverage
- IP44
- Polycarbonate construction

**Bulkhead Dimensions (mm):** 110 (w) x 255 (h) x 115 (d)

**SL11LED:** 4W LED

**SL11:** 60W ES



**SL12LED**

### LED Bulkhead

- Photocell operated (dusk to dawn)
- 4w LED
- IP44
- Polycarbonate construction

**Bulkhead Dimensions (mm):** 110 (w) x 265 (h) x 120 (d)



**SL20**

### LED PIR Bulkhead

- Slim line
- PIR operated
- 6w LED
- 480 Lumen
- 12m detection distance
- 120° coverage
- 10 seconds to 4 minutes duration
- IP44

**Lantern Dimensions (mm):** 158 (w) x 257 (h) x 87 (d)

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# ENERGY EFFICIENT LED WELCOME LIGHTING

With many styles and options to choose from, the challenger range of welcome lighting provides **energy saving options** for providing a safe welcoming light to visitors to your property.

UP TO **88%**

## ENERGY SAVING

31p per year to run

\*Based on 1hr per night 12p per kwh, original fitting 60W GLS



FEATURE	BENEFIT
<b>Stylish design options</b>	Designs to suit all applications
<b>LED lamps</b>	Low energy costs and low maintenance
<b>Warm white colour 3000K</b>	Soft welcoming light source
<b>201 grades stainless steel</b>	Easy minimal maintenance
<b>PIR movement sensor</b>	Activates lighting only when required

PART CODE	WATTAGE	LUMEN	SENSOR TIME	SENSOR DISTANCE
SLRL1B	7W	450LM	5 SEC TO 6 MINS	6M
SLRL1	7W	450LM	5 SEC TO 6 MINS	6M
SLRL2	7W	450LM	5 SEC TO 6 MINS	6M
SLRL2F	7W	450LM	5 SEC TO 6 MINS	6M
SLR2F450	7W	450LM	5 SEC TO 6 MINS	6M
SLRL3	11W	900LM	4 MINS	8M
SL30	9W	470LM	4 MINS	8M
SL30B	9W	470LM	4 MINS	8M
SL40	0.075W		30 SECONDS	8M
SLRL4	11W	450LM	N/A	N/A
SLRL5	7W	450LM	N/A	N/A
SLRL6P	11W	900LM	5 SEC TO 6 MINS	6M
SLRL6	11W	900LM	N/A	N/A
SLRL6F	11W	900LM	5 SEC TO 6 MINS	6M
SLRL7	7W	450LM	N/A	N/A
SLRL7F	7W	450LM	N/A	N/A





SLRL1B



SLRL1



SLRL2



SLRL2F



SLRL2F450



SLRL3



SL30



SL30B



SL40



SLRL4



SLRL5



SLRL6



SLRL6P



SLRL6F



SLRL7



SLRL7F

	SENSOR COVERAGE	LED COLOUR	IP RATING	DIFFUSER	MOUNTING
	90°	3000K	IP44	Clear	Wall
	90°	3000K	IP44	Clear	Wall
	90°	3000K	IP44	Opal	Wall
	90°	3000K	IP44	Opal	Floor (900mm)
	90°	3000K	IP44	Opal	Floor (450mm)
	90°	3000K	IP44	Opal	Wall
	90°	6000K	IP44	Opal	Wall
	90°	6000K	IP44	Opal	Wall
	90°	6000K	IP44	Clear	Wall
	N/A	3000K	IP44	Clear	Wall
	N/A	3000K	IP44	Clear	Wall
	90°	3000K	IP44	Opal	Wall
	N/A	3000K	IP44	Opal	Wall
	90°	3000K	IP44	Opal	Floor
	N/A	3000K	IP44	Clear	Wall
	N/A	3000K	IP44	Clear	Floor

**FORTESSA**

CONTROLLED ACCESS BY DESIGN

## DOOR ACCESS

### WIFI DOOR ENTRY KIT



USE YOUR SMARTPHONE  
TO ANSWER THE DOOR AND  
ALLOW ACCESS

#### WiFi Video Door Entry Panel

- Wireless relay for connecting to lock release
- Wireless keyfob for property owner entry
- Answer door from anywhere in the world
- Choose whether to allow access
- Record footage from the door entry panel on your smartphone



FTDEV/WIFI



Broadband connection and WIFI router required.





Control the access to your property with easy to install, attractive solutions.



**FTDEVK1**

### 1 Way Colour Video with Access Keypad

- IP64 surface video door panel:  
Dimensions - 179 x 90 x 23mm
- 2 colour backlit keypad
- 2 timer relays
- Slim 3.9" colour monitor, surface mount
- Touch screen technology
- 2 wire connectivity

### 1 Way Colour Video

- IP64 surface video door panel:  
Dimensions - 179 x 90 x 23mm
- 2 timer relays
- Slim 3.9" colour monitor, surface mount
- Touch screen technology
- 2 wire connectivity



**FTDEV1**



**FTK5**

5 x Proximity Cards included

### Proximity Reader Keypad

- Surface keypad with proximity
- Uses standard proximity cards
- LED backlit
- 12/24V
- Stand alone

**Keypad Dimensions (mm):** 80 (w) x 110 (h) x 35.5 (d)

**FACINA**

SURVEILLANCE

# TRUE HD CCTV

THE NEW HD720P KIT PRODUCES CRYSTAL CLEAR FOOTAGE,  
PERFECT FOR HOME OR BUSINESS USE



- 4 x HD 720P dome cameras 1.3 megapixel
- 4 channel analogue HD DVR
- 1TB HDD installed
- Realtime recording and playback full 720P HD
- Smartphone / tablet remote monitoring with free of charge APP
- Easy P2P configuration - no need to change router settings
- 4 x coax cable packs supplied (18m)
- HDMI & VGA output for connection to HD TVs/monitors





## 2 MEGAPIXEL 1080P CCTV



**VKC2MPD** HD Dome 2MP 3.6mm Lens OSD



**VKC2MPDV** HD Dome 2MP 2.8-12mm AF Lens OSD



**VKC2MPB** HD Bullet 2MP 3.6mm Lens OSD



**VKC2MPBV** HD Bullet 2MP 2.8-12mm AF Lens OSD



**VKC2MPVRD** HD Vandal Dome 2MP 2.8-12mm AF Lens OSD



**VKC2MPSD** HD PTZ Speed Dome 2MP 10x Zoom



**VKDVR2MP/8** 8 channel 1080P HD DVR



**VKDVR2MP/16** 16 channel 1080P HD DVR



**VK2TBWD** 2TB Surveillance Hard Disk



**VK4TBWD** 4TB Surveillance Hard Disk

# ALSO AVAILABLE



**SLA BATTERIES**



**DETECTORS**



**EXTERNAL SOUNDERS**



**POWER SUPPLIES**



**CCTV CAMERAS**



**DIGITAL VIDEO RECORDERS**



**DOOR ENTRY KITS**



**PC BASED PROXIMITY**



**KEYPADS**



**MAGNETIC LOCKS**



**EXIT BUTTONS**



Distributed by  
**CHALLENGER SECURITY PRODUCTS**

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