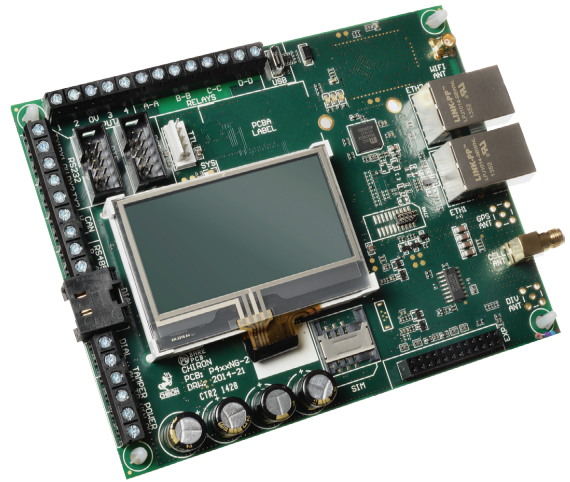## Description

The new and improved Next Generation Series is designed to provide the same secure end-to-end alarm transmission expected from Chiron IRIS AoIP diallers, with the addition of new technology to set the NG diallers in a different realm of innovation.

| Alarm panel | FDSMART400 Touch Diallers– Dual path back up via GPRS, PSTN or GSM | TELEDATA Secure Apps | Monitoring Center |

Technology and design

The new continues to be suitable for use in existing enclosures and connects to any alarm panel, offering a highly flexible choice from Grade-2 to Grade-4 signalling options. In addition, the Next Generation diallers now include the following leading edge features:

- Dual Ethernet connections allow you to include video feed from CCTV systems.

- Full VoIP and SIP services available as standard on all units; ideal for voice applications such as audio verification, lift Installations and social care.

- Industrial standard interface for HVAC and home automation; allowing the possibility of the installed alarm system being integrated with cutting edge building management and control systems.

- Providing the user with continuous, uninterrupted connection, there is no delay when connecting to Remote Service

- App, thereby vastly improving upload/download speeds and making the units remotely upgradeable.

- All units feature an improved and highly sensitive, stylish and modern, multilingual touch screen designed for easy deployment.

- Multiple connection interfaces are now included on all models, allowing flexibility and choice when connecting to any alarm panel.

- Notification by text message on 400 & 440 models.

- High speed Bus Interfaces allowing faster integration for upload/download, configuration from panel keypad and alarm transmissions.

- Expansion boards available offering pin inputs or pin inputs and PSTN dial out.

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FDSMART Touch Features

	FDSMART400	FDSMART420	FDSMART440
Touch screen	✓	✓	✓
Ethernet	-	2	2
GPRS	✓	-	✓
Dial capture	✓	✓	✓
Relays	4	4	4
Pins	4 standard + 12 with add-on daughter board		
Serial RS485	✓	✓	✓
Serial TTLRS232 (BASIC or FULL)	1 x FULL o 2 x BASIC		
CAN bus	✓	✓	✓
Text messaging	✓	✓	✓
Multi language menus	✓	✓	✓
VoIP & SIP services	✓	✓	✓
HVAC and Home Automation interface	✓	✓	✓
Option available on request	4G/CDMA		4G/CDMA
Power Supply			
Supply voltage	9 28V DC		
Typical idle current (supply at 12V)	151 mA	151 mA	153 mA
Relays			
Relay Outputs - Max. operating voltage	24V DC	24V DC	24V DC
Relay Outputs - Max. operating current rating	100mA DC	100mA DC	100mA DC
Alarm Transmission			
Interface to monitoring centre	IRIS Secure Apps or IRIS Management suite		
Dial capture interface to alarm panel	Two wire interface via RJ45 socket & Terminal Block		
	Input voltage range 0V to 24V DC		
	'Low' (alarm) threshold <1V		
	'High' (restore) threshold >2V		
	Internal pull-up 10K to 3.3V supply		
Alarm protocols	SIA (levels 1 to 3)		
	Contact ID		
	Fast format (Scancom)		
Tamper detection reporting to monitoring centre	Robofon		
	Dial capture interface		
	signal input		
	Pin inputs		
Fault reporting to monitoring centre	Transmission interface/path fault		
Transmission Paths			

Ethernet	Standard	-	UTP 10/100 Base T with auto-negotiation	
	Connection	-	RJ45 socket for CAT5 cabling	
	IP addressing	-	Dynamic (DHCP) or fixed	
	Connection fault detection	-	Loss of Ethernet synchronisation	
	3G Standard (4G/CDMA optional)	Quad band GSM 850/900/1800/1900 MHz	-	Quad band GSM 850/900/1800/1900 MHz
	Antenna connection	SMA antenna socket	-	SMA antenna socket
	Connection fault detection	Loss of registration with network	-	Loss of registration with network

FDSMART Touch Features

	FDSMART400	FDSMART420	FDSMART440
Environmental			
Operating temperature range	-10°C to 55°C		
Operating humidity range	95% max., non-condensing		
Weight and dimensions			
Physical dimensions	15 cm x 11 cm		
PCB weight	300 grams		
Fully packaged weight	500 grams		
Remote Connection			
Continuous, uninterrupted connection to monitoring station allowing	Constant Connection for Configuration, Diagnostics, Re-flashing, to Remote Services Apps		
Certification			
EN50131-1:2006 & EN50136-1:2012	Grade 2, 3 and 4		
EN50136-2:2013	Grade 2, 3 and 4		
EN54EN50136-2:2013	Grado 2, 3 e 4		
EN54-21CPR	✓	✓	✓
	Certificazione VdS		

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