iris touch
Alarm over IP

2 SERIES NG

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.

IP Network

| Alarm panel | IRIS Touch - Diallers - Dual path back up via GPRS, PSTN or GSM | IRIS Secure Apps | Monitoring centre |

The new NG 2●● Series continues to connect to any alarm panel, offering a choice from Grade-2 to Grade-4 signalling options. In addition, the Next Generation diallers now include the following leading edge features:

- Models are built inside a stylish but secure enclosure designed for residential and small business installations.

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

- 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 200 & 240 models.

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

IRIS Touch 200
(Single Path 3G*)

IRIS Touch 220
(Single Path IP)

IRIS Touch 240
(Dual Path IP & 3G*)

NG * 4G / CDMA on request

EN50131-1: 2006
EN50136-1: 2012
EN50136-2: 2013
(ATS-6 Grade 4)

| Dual path | EN 50131/6 Independently certified | Back up monitoring centre capable | Connects to all alarm panels | Alarm plus services | Remote upload/download |

IRIS Touch 2●○ Features	200	220	240
Fire retardant enclosure	●	●	●
NiMH battery backup	–	–	–
Touch screen	●	●	●
WiFi	–	–	–
Ethernet	–	1	1
GPRS	●	–	●
Dial capture	●	●	●
Relays	3	3	3
Pins	4	4	4
Serial RS485	●	●	●
Serial TTL	●	●	●
RS232 (BASIC or FULL)	BASIC	BASIC	BASIC
CAN bus	–	–	–
Text messaging	●	–	●
Multi language menus	●	●	●
VoIP & SIP services	●	●	●
Option available on request		4G / CDMA	

Power Supply

	200	220	240
Supply voltage	9 -28V DC		
Typical idle current (supply at 12V)	124 mA	138 mA	140 mA

Relays

	200	220	240
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 Terminal Block
Pin inputs interface to alarm panel	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)
	Robofon
Tamper detection reporting to monitoring centre	Dial capture interface
	Lid & back tamper
	Pin inputs
Fault reporting to monitoring centre	Transmission interface/path fault

Transmission Paths

		200	220	240
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	
GPRS	Standard	Quad band GSM 850/900/1800/1900 MHz	–	Quad band GSM 850/900/1800/1900 MHz
(3G/4G/CDMA	Connection	SMA antenna socket	–	SMA antenna socket
optional on request)	Connection fault detection	Loss of registration with network	–	Loss of registration with network

Environmental

Operating temperature range	-10°C to 55°C
Operating humidity range	95% max., non-condensing

Weight and Dimensions

Physical dimensions (L x W x D)	19 cm x 13 cm x 4cm
PCB weight	550 grams
Fully packaged weight	750 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
	VdS Certified