

Olarm PRO is a multichannel GSM (Dual SIM) and WiFi communicator which supports a wide range of alarm panels enabling users to remotely monitor and control their alarm system.

Manufacturer Supported models

Paradox MG5050, SP6000, SP65, EVO192

IDS 805, 806*, X16*, X64*

DSC PC1555, PC1616, PC832, PC864, PC1808, PC1832, PC1864, PC5005, PC5010, PC5015, PC5020

Texecom Premier 412, Premier 816, Premier 816 PLUS, Premier 832

* Requires an adaptor board - sold separately.

The Olarm PRO will require an active subscription to function. Please contact your installer or speak to sales@olarm.co for more information.

Features & Benefits

Save time on-site

- Quick & easy to install
- Alarm panel auto-detect
- Zero device configuration

Save time & call outs

- Remotely program alarm panels*

Highly reliable & enhanced connectivity

- Simultaneous multi-network communication
- Dual SIM & WiFi
- Encryption

Quality service

- 24x7 support line
- Highly reliable network

Future proof

- Automatic firmware upgrades

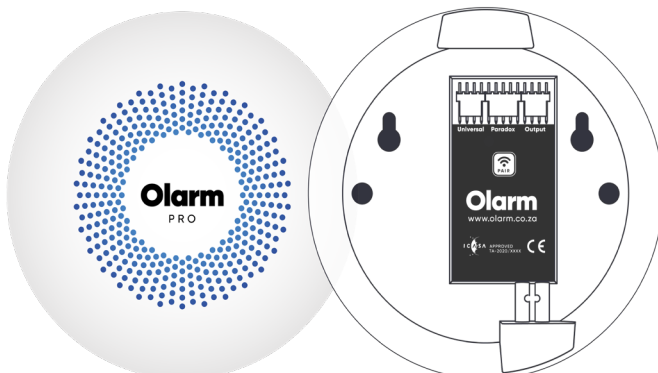
Less stock management required

- One communicator supports most alarm panels

Technology leader

- Constant innovation & integration of new models of alarm panels

* With Paradox alarms only.



Functionality

Functionality	Paradox	Texecom	IDS	DSC
Zone status	●	●	●	●
Arm	●	●	●	●
Disarm	●	●	●	●
Stay arm	●	●	●	●
AC status	●	●	●	●
Bypassing	●	●	●	●
Multi-partition control	●	●	●	●
Silent panic	○	○	○	
PGM	●	○	○	
Remote programming*	●	○	○	
Zone name pulling	●			

○ Selected models * Via Olarm Remote Connect

Alarm Panel cable specification

- 1 x 1 meter cable
- 1 x 4 pin White Molex connector on one end of cable
- 1 x 5 pin White Molex connector on other end of cable
- See installation guide for more information.

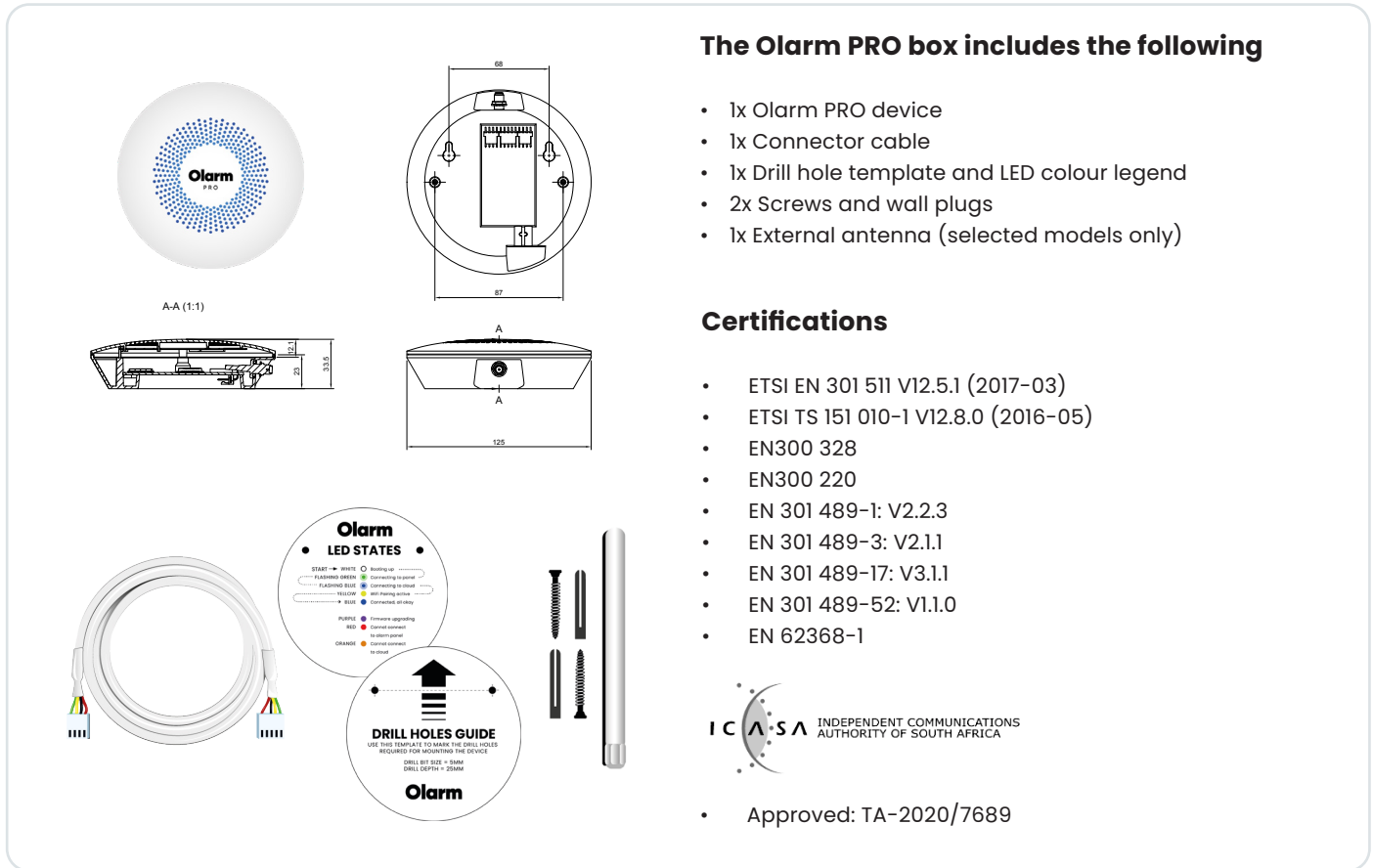
Radio / Wireless Technology

WiFi

WiFi standards	IEEE 802.11b/g/n
Center frequency range of operating channel	2412 ~ 2484 MHz
Antenna type	Internal
Data rate	20MHz: <ul style="list-style-type: none"> • 11b: 1, 2, 5.5 and 11 Mbps • 11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 11n: MCS0-7, 72.2 Mbps (Max) 40MHz: <ul style="list-style-type: none"> • 11n: MCS0-7, 150 Mbps (Max)
Tx Power	13 to 19.5 dB (Data rate dependant)
Rx Sensitivity	-69 to -97 dBm (Data rate dependant)
Encryption	WPA2-PSK
WPS Mode	Push button method

Mobile / 2G

Frequency Bands	GSM900 & DCS1800
SIM cards	2 x Full size SIM card slots (Pre-populated with Vodacom & MTN for South African market)
Antenna type	Internal
Tx Power	31.2 dBm at 900MHz 28.1 dBm at 1800 MHz



The Olarm PRO box includes the following

- 1x Olarm PRO device
- 1x Connector cable
- 1x Drill hole template and LED colour legend
- 2x Screws and wall plugs
- 1x External antenna (selected models only)

Certifications

- ETSI EN 301 511 V12.5.1 (2017-03)
- ETSI TS 151 010-1 V12.8.0 (2016-05)
- EN300 328
- EN300 220
- EN 301 489-1: V2.2.3
- EN 301 489-3: V2.1.1
- EN 301 489-17: V3.1.1
- EN 301 489-52: V1.1.0
- EN 62368-1



- Approved: TA-2020/7689

Technical specifications

Mechanical specifications

- Packaged weight: 175g
- Packaged dimensions: 150 x 150 x 46mm
- Device weight: 82g
- Cable weight: 28g
- Device dimensions: 125mm diameter & 33.5mm height
- Enclosure material: ABS - Resin MG47F
- Status indicator: RGB LED

Operating conditions

- Temperature: -40 to 60°C
- Humidity: 0 - 90% RH

Mounting options

- 2 x Mounting holes on back of enclosure
- Mounting template provided
- Avoid double sided tape as access to WiFi pairing button may be required after installation
- Connector pinouts
- Diagram of the pinouts

Power supply

- Voltage: 10 to 15V DC. Typically supplied from the alarm panel via the cable provided.
- Current: Idle 120mA @13.8V DC, Transmit 350mA @13.8V DC

Capabilities

Paradox & Universal

The data line and power lines on this port are connected together and the plugs are purely to cater for multiple alarm types i.e. these two ports can be seen as the same port with two connectors.

The port is able to communicate using asynchronous or synchronous serial communication at 3.3V to 24V at sub 1MHz transmission speeds. In addition one is able to communicate using one wire communications methods.

The wire used to communicate with these ports should never exceed 8 meters in length.

Output

The setup of the pin is primarily used for module expansion to do various tasks externally. Modules connected to this expansion module port should use a wire that does not exceed 1 meter in length.

Please contact sales@olarm.co for more information on extenders for the Olarm PRO.