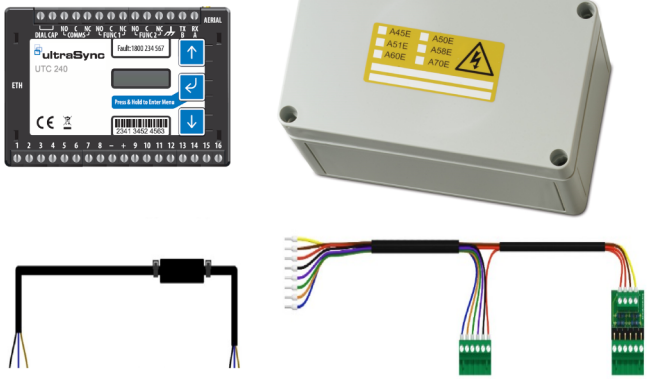
# 2010-2-UC240-KIT

## UC240 Kit (incl. enclosure, IO cable w/ EOL, serial cable accessories) for fire panel, UltraSync communicator with IP and 4G/2G dual path suitable

### Overview

UC240 UltraSync communicator is a dual path alarm signalling unit for transmitting alarm signals from a customer's alarm panel to a Central Monitoring Stations (CMS). The monitoring path is based on IP and SIM 4G/2G mobile technology. The unit is designed for use in both security and fire systems.

- Dual-path monitoring for low, medium and high risk sites, covering intruder applications, fire and more.
- These monitored alarm signalling devices are small enough to fit inside most alarm panels. They use two signalling paths – if the primary path is down, the secondary path kicks in. And if that happens, the secondary path will use the primary path reporting and polling times.
- The primary path uses IP technology to send alarm signals over the customer's network or broadband hub.
- The secondary path uses 4G or 2G mobile connectivity – with dual SIMs for extra resilience.
- EN50131 Grade 3 and EN50136 certified for intrusion systems.
- EN54-21 certified for fire alarm systems.




### Alarm panel interfaces

- 16 general purpose alarm inputs (Logic High = +2 to +30 V / Logic Low = <1.3 V)
- 3 relay outputs
- Unconnected state: Logic Low
- Standard screw terminals
- Programmable function output-for remote control of site devices
- Line fault output-for status indication at site of alarm signalling path
- Dial Capture with phone line simulation
- Onboard RS232 or RS485 for direct panel interface to some panels

### Dial Capture features

- Converts dialler alarm systems into high security signalling devices
- Alarm panel interface supports: Ademco Contact ID, Ademco Hi Speed, Ademco 4+1, Ademco 4+2, SIA 1/2/3

### Configuration

- Simple single push button pin learn
- iOS and Android installer app
- Using on board menu driven by push buttons

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## Technical specifications

### General

| | |
|---|---|
| Product line | UltraSync |

### Network

| | |
|---|---|
| Communicator type | 2G, 4G, Cellular, IP |
| GSM frequency | LTE: Penta-Band 700 (Bd28) / 800 (Bd20) / 900 (Bd8) / 1800 (Bd3) / 2100 MHz (Bd1) + GPRS Dual band (900/1800 MHz) |

### Reporting

| | |
|---|---|
| Reporting protocols | Contact ID, SIA |
| Supported receivers | UltraSync |

### Interfaces

| | |
|---|---|
| Ethernet | RJ-45 1000 Mbps Ethernet Interface |
| Antenna | Yes, included |

### Input/Output

| | |
|---|---|
| Inputs | 16 general purpose alarm inputs |
| Outputs | 3 relay outputs |

### Electrical

| | |
|---|---|
| Operating voltage | 9.5 to 30 VDC |
| Current consumption | 85mA @12 VDC, 185mA @24 VDC (Maximum loading)<br>45mA @12 VDC, 100mA @24 VDC (Normal operation) |

### Physical

| | |
|---|---|
| Physical dimensions | 95 x 67 x 17 mm |
| Colour | Black |

### Environmental

| | |
|---|---|
| Operating temperature | -10 to +55°C |
| Relative humidity | 5 to 75% |
| Environment | EN50130-5 ; Class II - Indoor (general) |

### Regulatory

| | |
|---|---|
| Certification | EN50131 Grade 3, EN50136, EN54-21 |

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