3GS Radio Hold-Up

Integrated System:

The 3GS Radio Hold-Up Alarm is a sub-system of the 3GS Integrated Alarm system. This incorporates 200 zone inputs, 64-door Access Control and Radio Paging, together with up to 127 hand-held Radio Panic Alarm transmitters.

Multi-functionality:

Each Radio Panic Alarm transmitter (RPA) has three programmable buttons, allowing up to 7 different types of event to be reported. Because of the flexibility of the 3GS, the RPAs can be utilised to activate alarm events, as well as initiating technical functions, such as switching lights on, starting video recorders, opening doors or gates, etc.

Event logging:

The 3GS system has a capacity of 1,000 log events. It logs all events, including date and time of the activation, recording the name of the user and the type of alarm generated.

Battery monitoring:

Each RPA is battery powered, and the battery status is transmitted with each button activation, ensuring timely reporting of a "low battery" condition.

Signal strength:

At any time, the system can be checked for "signal strength", i.e. a measure of the reception from RPA to 3GS HUA Node, thus ensuring optimum siting of the Nodes and most effective operation of the Radio Alarm system.

Pager interface:

Utilising one of the 3GS system's three serial ports, Radio Alarm events can be sent to / reported on a suitable Radio Paging system. This will display the 3GS log events, and allows for the pager buzzer and vibration indicator to operate.

3GS Controller features:

- Up to 99 HUA Receiver Nodes can be connected to the system
- Up to 127 RPAs (transmitters) accommodated
- 8 direct alarm inputs, expandable to 200
- 4 on-board programmable outputs, expandable to 255
- 3 serial ports, to 19K2 baud
- Programmable buzzer on RKD
- Time saving installation & test techniques:
  RPA battery test
  Signal strength monitor
- 1000 event log, with date & time stamping
- RKD 2 line / 24 character LCD display
- RS232 output to Pager transmitter
- User-friendly menu structure to:
  set up RPAs on the 3GS system
  assign functions to buttons
  assign functions to individual RPAs
  test RPAs
- Optional Keyswitch operation via remote keypad (RKD)
- All functionality accessible via Panelman (Up- & Downloading software)
- Remote modem access to PC via DM1200 digi-modem and 3GS serial port
- Printer option via 3GS serial port
- Conforms to CE, Low Voltage directives
- Conforms to all National Alarm standards

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3GS Radio Hold-Up

3GS Hold-Up Alarm (HUA) Node:

- Maximum of 99 HUA Nodes
- Maximum range 200 metres (free space) from each Node, otherwise dependant on building contruction
- RS485 Ringnet wiring configuration to 3GS Controller
- Maximum 1KM Ringnet cable distance between Nodes, using Belden 9829 screened cable
- Monitored Front & Back tampers
- Infra-Red capability for Hand Held terminal communications
- Status & communications LEDs
- Polycarbonate housing, with viewing window for IR comms & status LEDs
- On-board 4 programmable alarm zones (2K2 EOL) & 1 programmable 1A relay output
- On-board antenna, with optional BNC-fitted external aerial for enhanced range
- On-board buzzer, for Node location identification
- Designed to meet MPT 1340 & CEPT / ETSI specifications

HUA Receiver Node: Technical Specification:

Dimensions:	200mm x 155mm x 47mm
Power Supply:	12VDC
Power consumption:	50mA
Communications:	To 3GS & other Nodes via 2-wire RS485 Ring-net
Transmission frequency:	418 MHz (UK) otherwise 433 MHz
Internal Antenna:	Built-in
External Antenna:	1/4 wave whip type, (optional) with BNC connector

RPA: Technical Specification:

Dimensions:	105mm x 60mm x 22mm (ex. belt clip)
Battery type:	PP3 Alkaline
Transmitter type:	Low power UHF
Transmission frequency:	418 MHz (UK), otherwise 433 MHz
Data bandwidth:	10 Kbps
Data transmission:	Low battery & 6 programmable events
Antenna:	Built-in
Operation:	Programmable 3 button

3GS Remote Personal Attack (RPA) Transmitter

- Robust polycarbonate construction
- Single PCB assembly, with built-in aerial
- Battery powered (PP3, 9V, alkaline)
- Simple battery replacement
- Reversible belt clip
- Three programmable transmission buttons
- Transmission indication via on-board LED
- Maximum 127 RPAs per 3GS system
- "RPA test" menu, with signal strength indication on RKD

Typical RPA functions:

- Suspicion
- Raid, or Hold-up
- Camera activate
- Interrogate (transmit to radio pager)
- Trip output (turn lights on, open gate, etc)

How to order:

Product	Code
3GS Radio HUA Node 418 MHz (UK)	1354
3GS Radio HUA Node 433 MHz	1364
3GS RPA Transmitter 418 MHz (UK)	1366
3GS RPA Transmitter 433 MHz	1367

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