

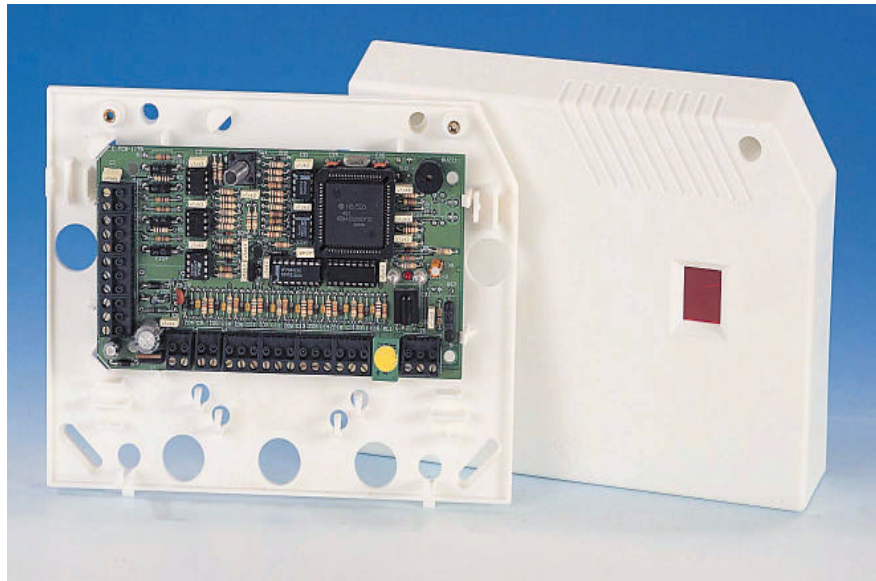


# 3GS 8 Input/1 Output

Basic building blocks of the 3GS system:

Together with the 3GS controller, the Intelli-Power PSU, the RKD Node and the 6-output Node, the 8 Input / 1 Output Node is the key system expansion unit for connecting zone inputs to the system.

The unit is housed in a polycarbonate box, with viewing window to facilitate Infra Red comms. with the Hand Held Terminal (HHT).



8 Zone Inputs +  
1 Programmable relay Output:

The principal use for this unit is as a "zone expander" for the 3GS system. Each zone input is a dual 2K2 EOL alarm loop, which guarantees tamper protection at all times. The unit can also supply 12VDC power to auxiliary devices, up to a maximum of 250mA (fused).

The on-board relay can be assigned to any number (1-255) and then responds under program control from the 3GS software.

On-board buzzer:

The 8+1 Node has its own buzzer on-board, to assist its location during service visits, should it have been placed out of normal view. Using the "Node Find" option, the service technician can request the Node to identify itself by sounding its buzzer.

IR Communications:

The 8+1 Node supports infra-red communications with the Hand Held Terminal (HHT), through the viewing window of its housing.

Maximum number of I/O Nodes:

Up to 99 Nodes of all types can be connected to the 3GS system. However, at this time, 3GS installers should be mindful of the current 200 zone limit.

Wiring the 8+1 node:

As with all other Nodes, the recommended cabling for the 3GS system is Belden screened cable (max. distance between nodes is 1,000 metres using Belden 9829).

Basic unscreened alarm cable may be used with 3GS, but installers and specifiers should be aware that distances will be considerably less than those achieved using screened cable.

See 3GS Hardware Manual for exact details of recommended cable types and distances.

3GS Ringnet status LED:

The 8+1 Node has an on-board LED indicating ringnet communications status.

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## 3GS 8+1 Node: Technical Specification:

PCB dimensions:	150mm x 82mm x 20mm
Box dimensions	200mm x 150mm x 47mm
Min. operating voltage:	9.5V
Max. operating current:	200mA
Quiescent current:	100mA
On-board zones:	Eight dual 2K2 EOL resistors
On-board output:	1A single pole changeover relay
Status LED:	Ringnet comms. status
Tamper:	Spring front tamper
Aux. fuse:	250mA Quick blow
Communications:	RS485 @ 307kB
IR Comms.:	1200 Baud
Memory backup	EEPROM

## How to order:

Product	Code
3GS 8 Input / 1 Output Node	1350

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