



3GS 6 Output Node

Basic Building Blocks of the 3GS System

Together with the 3GS controller, the IntelliPower PSU, the RKD Node and the 8 Input / 1 Output Node, the 6 Output Node is the key system expansion unit for connecting and switching relay outputs the system.

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

6 Programmable Relay Outputs:

The principal use for the 6 Output Node is as a provider of multiple relay outputs for the 3GS system. Each relay is a 12V single pole, changeover relay. These can be assigned to any number (1-255) and they then respond under program control from the 3GS software.

The 6 Output Node can also supply 12VDC power to auxiliary devices, up to a maximum of 250mA (fused).

On-board buzzer:

The 6 Output 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 6 Output Node supports infra-red communications with the Hand Held Terminal (HHT), through the viewing window of its housing.

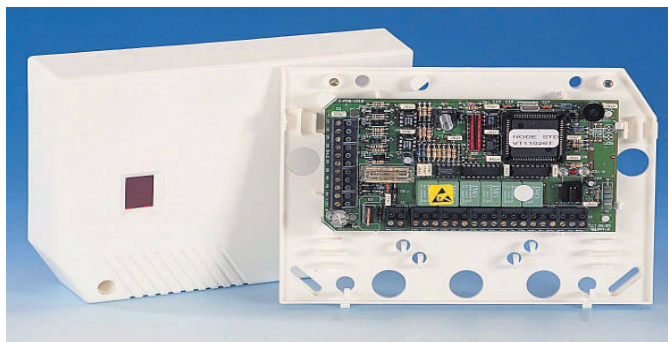
Maximum number of I/O Nodes:

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 255 individual output address limit. Any number of outputs can be addressed with the same number, i.e. they will all respond when under 3GS software control.

Wiring the 6 Output 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 6 Output Node has an on-board LED indicating ringnet communications status.

3GS 6 Output Node: Technical Specification:

PCB Dimensions:	150mm x 82mm x 20mm
Box dimensions:	200mm x 155mm x 47mm
Min. operating voltage:	10V
Max. operating current:	200mA
Quiescent current:	100mA
Outputs:	6 x 1A single pole changeover relays
Status LED:	Ringnet comms status
Tamper:	Spring front tamper
Aux. Fuse:	250mA Quick-blow
Communications:	RS485 @ 307kB
IR Comms:	1200 Baud
Memory back-up:	EEPROM

How to order:

Product	Code
3GS 6 Output Node	1352

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