



**gentec**

## Relay Output Card 16-Channel SBO Card

**Gentec Binary Output Card  
allows to control up to  
16x relay output points**

### FEATURES

#### SBO

The relays can be selected before being operated

#### Throughput

Full throughput available via 100 Base-TX /  
100 Base-FX Ethernet links

#### Fail-safe

Watchdog and reset circuits allow to  
continuously monitor the proper performance  
of the input switching section.

#### Synchronization

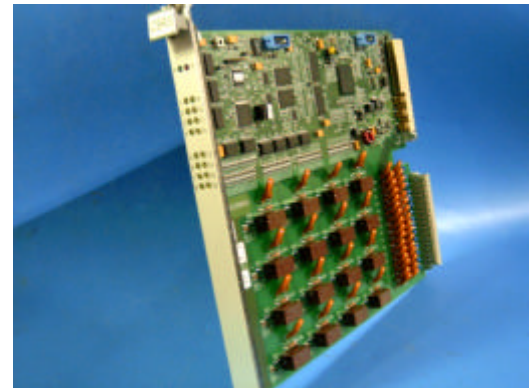
IRIG-B Sync is available with Gentec PES3 shelf

#### Hot swappable

#### On-line diagnostics

#### Visual Indicators

Input status is available by means of LEDs  
on the card faceplate.



### SPECIFICATIONS

#### Outputs

Output Channels	16x isolated relay outputs
Relay Contact	Form-C—5A @ 30Vdc/250Vac
Control Sequence	Select-Before-Operate (SBO)
Isolation	2 100Vdc
Response Time	10ms
Pulse Mode	Adjustable by 10ms increment

#### Processor & Comm.

Processor	Motorola MPC series
	1x DSP Texas Instruments
Storage	128MBytes of on-board memory
Comm. Ports	100 Base-TX / 100 Base-FX

#### Environmental

Operating temperature	0°C—55°C (32°F—131°F)
Storage	-40°C—85°C (-40°F—185°F)
Humidity	0-95% non-condensing
Cooling	Natural or Forced if required
Altitude	0% 0—1000m (3300ft)

#### Mechanical

Dimensions (HxDxL)	233.3mm x 289.36mm x 20.32mm
Material	Aluminium
Housing	Aluminium
Connector	Gentec PES3 shelf
Indicators	DIN 41612 type E
	Card Status—1x
	Communication Status—1x
	Outputs Status—16x

#### Safety (PES3)

Environment Testing	IEC 60068-2-1 /-2 /-3
Fire Resistance	UL 94V-0
Shock & vibration	IEC 60255-21-1
	SWC IEC 60255-22-1 /-4
	ESD IEC 61000-4-2
EMC Radiated/Conducted	IEC 61000-4-3 /-6