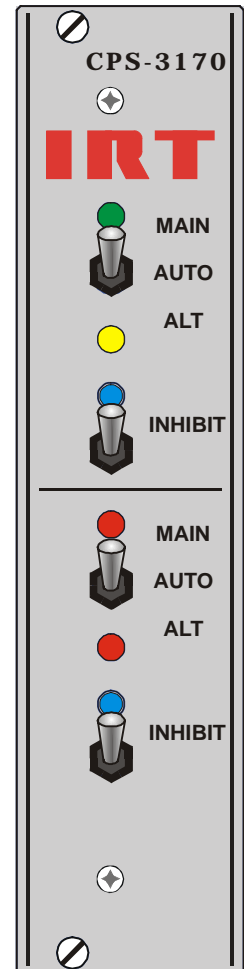


Alarm & Control Panel For AMS-3170 Switchers Type CPS-3170

Features:

- Controls for two redundant path switches.
- Manual or automatic path selection.
- Fail safe operation.
- Display inhibit.
- IRT Eurocard format.



General:

The CPS-3170 provides a compact monitoring facility for alarm outputs from redundant signal paths and provides a means of selecting either manual or automatic path selection based on the input alarm states.

It is designed primarily to be used in conjunction with the [AMS-3170](#) relay changeover switcher providing a redundant path change over for video and two audio circuits.

The CPS-3170 provides all indications and switches to control two separate [AMS-3170's](#).

A display inhibit switch is provided to kill any display from alarm circuits that are not in use.

Fail safe operation is ensured by automatic selection of the Main path in the event of power failure, but with the manual over-ride selection of the Alternative path is still being operative.

The CPS-3170 is fabricated in IRT's standard Eurocard format and may be housed in a variety of IRT Eurocard frames alongside the [AMS-3170](#) modules.

CPS-3170 Technical Specifications

Alarm/Indicator Inputs:

Type	Negative current sinking to ground.
Maximum current	<10 mA
Open circuit input voltage	-12 Vdc

Control Outputs:

Type	Opto isolated NPN pulldown resistor to ground, or Closed switch contact to ground.
Impedance	<40Ω
Max. output current	30 mA
Maximum pulldown voltage	+12 Vdc

Connectors:

Phoenix plug in screw terminal blocks

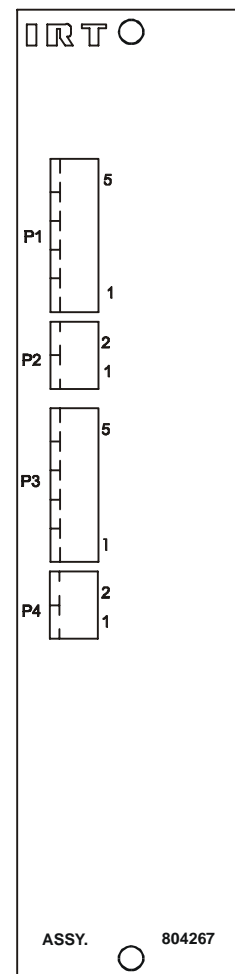
Power Requirements:

28 Vac CT (14-0-14) or ± 16 Vdc

Power consumption <100 mA

Other:

Temperature range	0 - 50° C ambient.
Mechanical	Suitable for mounting in IRT 19" rack chassis with input output and power connections on the rear panel. Grey enamel, silk-screened black lettering & red IRT logo.
Finish: Front panel	
Rear assembly	Detachable silk-screened PCB with direct mount connectors to Eurocard and external signals.
Dimensions	30 mm x 3 U x 220 mm IRT Eurocard.
Supplied accessories	Rear connector assembly including matching connectors for audio, alarms and controls.
Optional accessories	TME-6 module extender card.



Due to our policy of continuing development, these specifications are subject to change without notice.

Detailed specifications available from:

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IRT Electronics Pty Ltd

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<http://www.irtelectronics.com>