



Programmable switching systems for automated test,
data acquisition and communications

2555 Baird Road, Penfield, New York 14526 • cytec-ate.com • (800)346-3117 • (585)381-4740

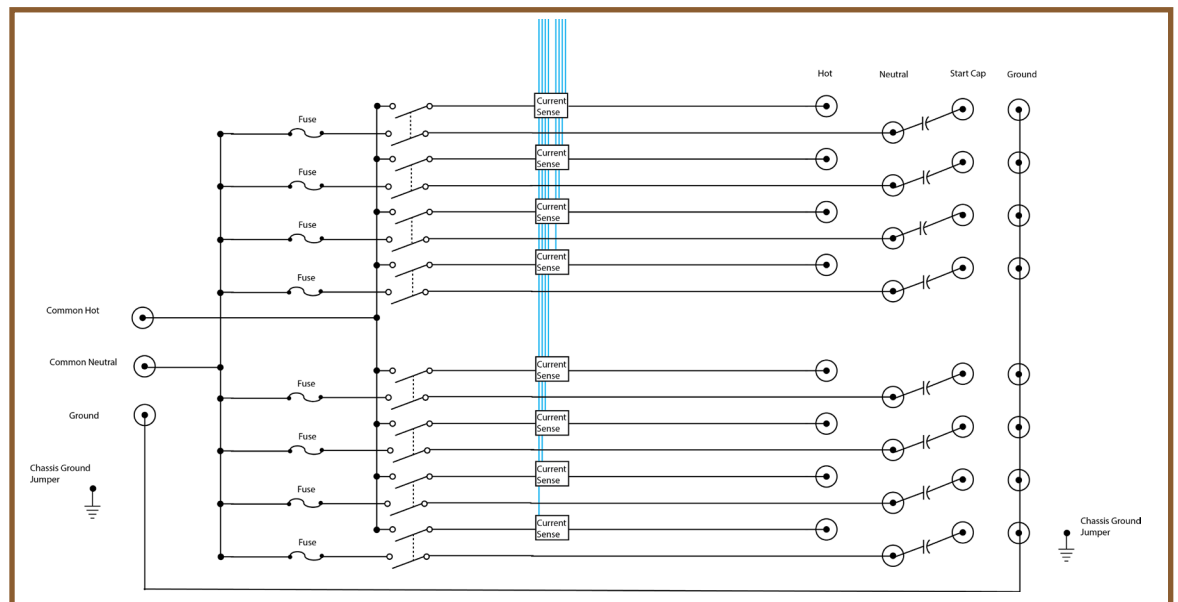
Cytec Model 7734 8 Channel Power Switch With Current Monitoring



8 channel power switch with current monitoring

Cytec's Model 7734 is an eight channel power switch with the ability to monitor the current flow through all eight channels. Intended to be used with any AC Source up to 280 Vrms and up to 5 KHz. Current monitoring is available in ranges from 0 to 200 ma, up to 10 amps, in positive or negative values. Power relays allow hot switching of loads up to 8 amps. Three-way binding posts / banana jacks for easy connections. Inline fuses for circuit protection. Options to ground or isolate ground wires.

System Schematic



Chassis Features:

- 8 channel 2 pole power switch.
- Separate current monitoring of each channel.
- LAN, GPIB, RS232 and USB Control.
- Manual Control option for power switch.
- Industry standard 3 way binding posts.
- Color coded connectors.
- Full LED display & remote status feedback.
- Simple command set and addressing.

• Contact Cytec at 1-800-346-3117 or sales@cytec-ate.com

Cytec Model 7734 Specifications

SWITCH SPECIFICATIONS

Configuration	1x8 2 pole (DPST)
Max Switched Voltage	380 VAC, 30 VDC
Max Switched Current	8 amps
Max Carry Current	12 A continuous
Max switched power	2000 VA, 150 Watts
Breakdown Voltage	1200 Volts peak
Operating Time	10.0 ms
Life Expectancy	10 Million cycles cold switched 100,000 cycles at 2000 VA
Connectors	3 way binding post, banana jack.
Connector labels	Hot (black) White (neutral) Ground (green) Start Cap (blue) fans or motors separate for each hot line out
Fuse	

CURRENT MONITOR SPECIFICATIONS

Configuration	8 Channels
Current Ranges	
7734	0 to 200 ma
7734-02	0 to 2.5 A
7734-03	0 to 8 A
7734-04	0 to 15 A
Current Resolution	
7734	0.04 ma
7734-02	0.1 ma
7734-03	3 ma
7734-04	4 ma
Bandwidth	5 KHz
Accuracy	+/- 2%
Data return format	12 bit Hex value or Integer range -2 to +2

CHASSIS SPECIFICATIONS

Dimensions	19" rack Mount 3.5" height (2RU) 20" depth
Weight	< 20 lbs
AC Input	Universal IEC
Selectable	90-130 or 210 to 260 VAC 47 to 65 Hz
Power Supply	Low noise Linear
Power Consumption	< 75 Watts Max
Fuse	1/4" x 1-1/4"
AC Components	UL/CSA/TUV Listed
Operating Temp	-10 to +65 degrees C
Storage Temp	-40 to +85 degrees C
Humidity	0 to 95% RH, Non-condensing to 30° C
Cooling	Ambient
Compliance	FCC Part 15

CONTROL SPECIFICATIONS

Control Interface	
LAN - Ethernet	Autoranging 10/100BaseT
Connector	RJ45 CAT5E
IP Address	Static
Ports	Telnet Port #23, two user settable RAW TCP/IP
Serial	RS232 COM Port
Connector	D9 Pin
GPIO	IEEE488.2
Manual Control	Front Panel Push button
LED Indicators	Channel ON/OFF, Power, Mode
Communication	ASCII Text Strings
Local Lock out	Yes
Remote Status	Yes

Programming Examples and support available in almost any language including:

- C, C++, Java, Python, TCL
- National Instruments LabView
- National Instruments LabWindows
- Matlab (Mathworks)
- Ask and we'll provide one!

Contact Cytec for configuration options, price and availability.

30 days ARO. Smaller and larger systems are available. Many other relay and connector types available. Custom systems with little to no NRE. Call or e-mail for quotes or technical help.

Check our web page at: cytec-ate.com

