

RPS-4 & RPS 4+4

CATV 4-MODULE RF SWITCHES



RPS-4 & RPS 4+4

The RPS-4 and RPS 4+4 are versatile RF switches that satisfy many headend/hub site program switching requirements. Their ability to handle high frequency switching remotely or manually most differentiate the RPS-4s from other switches.

RPS-4 & RPS 4+4 FEATURES:

- Front panel toggle switches for manual operation
- Unused ports terminate in their characteristic impedance
- Four separate wideband (DC to 1000 MHz) SPDT switches

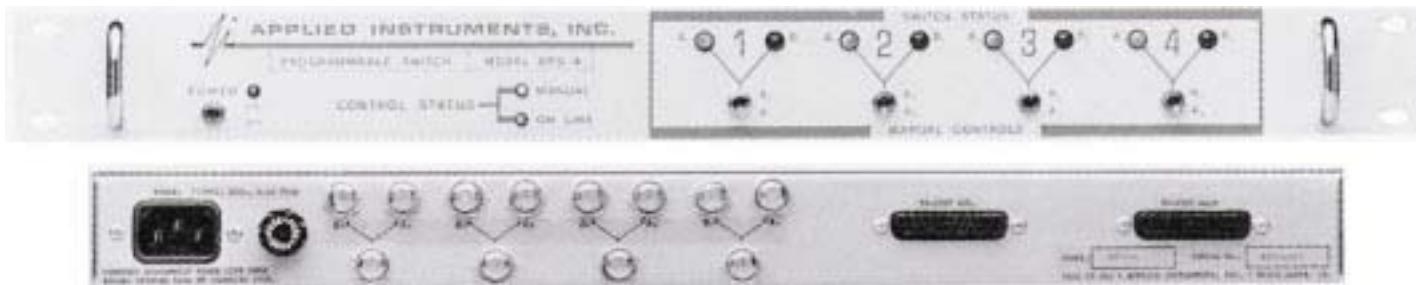


RPS-4 FEATURES:

- RS-232C control circuitry allows remote switch activation
- Auxiliary RS-232 port provides for additional equipment operation or serial "daisy chain"

RPS 4+4 FEATURES:

- Four additional audio DPDT switches for 600 W balanced use
- Activate switches remotely with TTL, contact closure, or open collector drivers



SPECIFICATIONS

WIDEBAND RF SWITCH MODULES:

Frequency range..... DC to 1 GHz
 Impedance..... 75 Ohms
 Maximum signal..... 250 mW

<u>Insertion Loss*</u>	<u>Port to Port Isolation*</u>	<u>Return Loss*</u>
50 Mhz...0.20 dB	50 MHz...> 75 dB	50 MHz...>22 dB
500 MHz..0.60 dB	500 MHz..> 60 dB	500 MHz..>16 dB
750 MHz..0.8 dB	750 MHz..> 55 dB	750 MHz..>17 dB
1 GHz....1.0 dB	1 GHz....>48 dB	1 GHz....14 dB

*(Primary-to-Common, Secondary-to-Common)

Unswitched port terminates into 75W

MECHANICAL & ELECTRICAL:

Size (HxWxD)..... 1.75" x 19" (std. rack) x 11"
 (4.5cm) x (48.3cm) x (27.9cm)
 Power..... 120/240 VAC, 50/60 Hz
 Operating temp.range.....0° to 50°
 Connectors.....Type F (standard) and 25 pin "D" type
 Weight..... 6 lbs (2.72kg)

RPS 4+4 ONLY:

Frequency range..... DC to 30 kHz
 Impedance..... 600 Ohm balanced or high impedance
 unbalanced

STANDARD ACCESSORIES:

Operators manual
 Power line cord