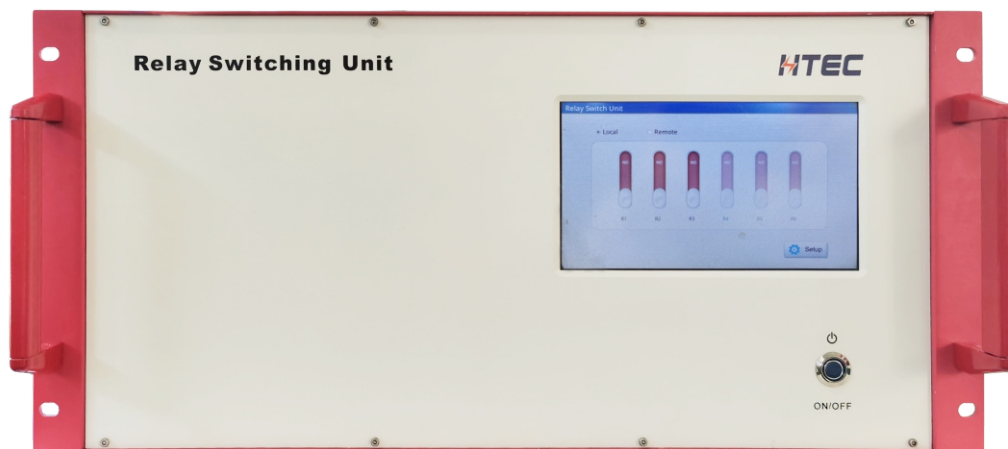


HRSU

Relay Switching Unit



Continue

Stop

Line On

File

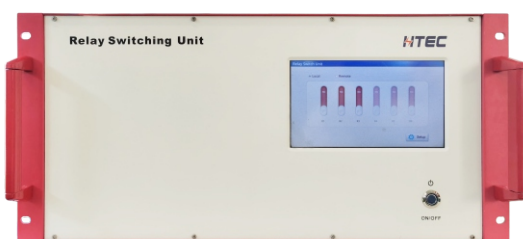
Main

HRSU Relay Switching Unit



Overview

HRSU relay switching unit is suitable for switching in all RF and EMC measurement fields. It has a 7" touch screen with microcomputer program control. Users can control it through the front touch screen panel, or realize computer remote control through the communication interface LAN and GPIB on the rear panel. The input/output connector of the relay is installed on the rear panel of the chassis. Users can choose various types of switch combinations such as SP2T, SP4T, and SP6T. The maximum support is 1 input/output with 12 output/inputs, and the frequency range can reach 18GHz application.



Relay Switching Unit Front View



Rear view of Relay Switching Unit

Features

- 7-inch touch color screen, simple and elegant UI, easy to operate
- Frequency up to 40GHz
- Multiple switch types can be supported: SPDT, SP4T, SP6T, etc.
- Applicable to EMC and RF testing fields

Applications

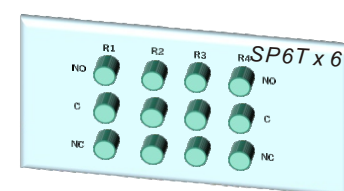
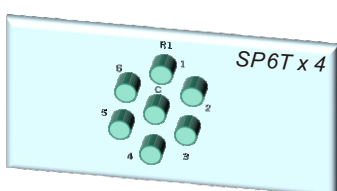
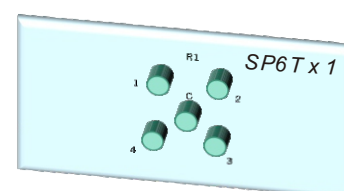
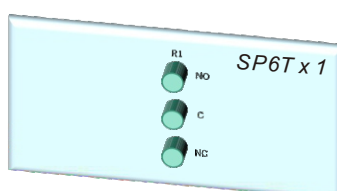
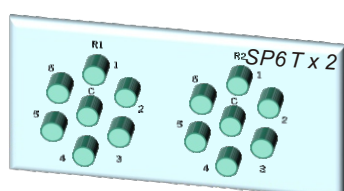
- CISPR 11/12/14-1/15/22/32
- IEC 61000-4-3, IEC 61000-4-6, IEC 61000-4-20
- ETSI & 3GPP
- LTE Band 1-28, 30-31, 33-44
- UMTS Band 1-14, 19-23
- CDMA on Band 450MHz, 800/900MHz, 1800/1900MHz Band
- Wi-Fi 802.11a/b/g/n/ac

HRSU Relay Switching Unit

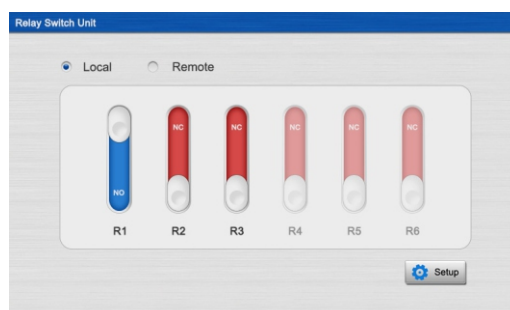
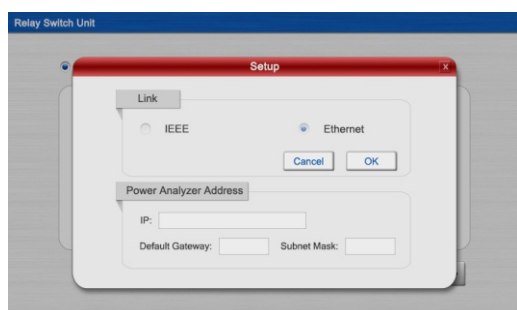


Technical Parameters

Solid state switch type	SP4T/SP6T Multi-Position Switches			
Connector	SMA (female)			
Frequency Range	0 Hz - 18 GHz			
Switching time (nominal)*	<15 ms			
Switching cycle life	5 million cycles per touch			
RF characteristics	0 Hz - 3 GHz	3 GHz - 8 GHz	8 GHz - 12.4 GHz	12.4 GHz - 18 GHz
VSWR (电压驻波比)	≤ 1.20	≤ 1.30	≤ 1.40	≤ 1.50
Insertion loss	$< 0.5 \text{ dB}/$ $\leq 0.20 \text{ dB}^*$	$< 0.5 \text{ dB}/$ $\leq 0.30 \text{ dB}^*$	$< 0.7 \text{ dB}/$ $\leq 0.40 \text{ dB}^*$	$< 0.7 \text{ dB}/$ $\leq 0.50 \text{ dB}^*$
Isolation	$\geq 80 \text{ dB}$	$\geq 70 \text{ dB}$	$\geq 60 \text{ dB}$	$\geq 60 \text{ dB}$



Software running interface





HRSU Relay Switching Unit

Order No.	Name	Model	Describe
41210100	RF Switching Control Unit	HRSU 432	SPDT×2,SMA interface,up to 12.4GHz/25W
41210110	RF Switching Control Unit	HRSU 431H	SPDT×1,NC interface,1000MHz/1800W 6GHz/500W
41210120	RF Switching Control Unit	HRSU 433	SPDT×3,SMA interface,12.4GHz/25W
41210130	RF Switching Control Unit	HRSU 434	SPDT×4,SMA interface,12.4GHz/25W
41210140	RF Switching Control Unit	HRSU 43X	Custom
41210200	RF Switching Control Unit	HRSU E14	SP4T×1,N-type interface,18GHz/50W
41210210	RF Switching Control Unit	HRSU E16	SP6T×1,N-type interface,18GHz/50W
41210220	RF Switching Control Unit	HRSU E24	SP4T×2,N-type interface,18GHz/50W
41210230	RF Switching Control Unit	HRSU E1416	SP4T×1+SP6T×1,N-type interface,18GHz/50W
41210240	RF Switching Control Unit	HRSU EXX	Custom

The leader of EMC Test and Measurement



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