

**XS_K
Electronic Aerial Switch
(700016)**



Electronic XS_K is designed as a part of the XS-series automatic systems of radio monitoring and search of pick-up devices and other multichannel radio-systems. The commutator, initiated by an instruction from the computer, provides switching of one aerial of the eight ones to the input of the radio-receiver or spectrum analyzer.

It is possible to use several switches connected in series for the purpose of increasing the number of the switched channels. The XS_K switch is remotely controlled via four-wire I2C bus and can be located up to 100 meters distant from the controller of the complex.

A specific appropriate address is assigned to each outlying device that enables the computer to refer to several devices and get confirmation on their availability for service. The XS system provides addressing up to four switches that open an opportunity to create 25-channel systems of radio-monitoring.

All the necessary functions on aerial switch control are provided by software of the systems. Computer softwares ensure the aerial cables (located indoors or outdoors) or the XS_K converters (used for signal analysis in power supply system, wire links and visual range) to be switched successively to scanning radio-receiver input. Input channel switching is initiated automatically or by an instruction from an operator in compliance with operation algorithm of the system.

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**Specifications:**

Operating frequencies, GHz	0.01-3
Channel (dB) at frequency as follows: • 0.1 GHz • 2.0 GHz • 2.5 GHz • 3.0 GHz	2.3 2.5 3.1 3.8
Channel (dB) at frequency as follows: • 0.1 GHz • 2.0 GHz • 2.5 GHz • 3.0 GHz	70 62 53 44
Compression point for 1 dB), dBm	21
• 1.0 GHz • 3.0 GHz	1.4 2.0
• 1.0 GHz • 3.0 GHz	1.4 2.0
Switch time of switch unit, ns	100
Mains power consumption, W	2
Dimensions, mm	190 x 105 x 75
Weight, g	1100

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