



Micro Communications, Inc.

UHF-TV WAVEGUIDE SWITCHES

- HIGH POWER
- MANUAL OR REMOTABLE OPERATION
- THREE OF FOUR PORT CONFIGURATION
- FOR UNATTENDED TRANSMITTERS



MCI series 65000 Waveguide Switches are available in motorized or manual operated configurations. The switches are manufactured from 6061-T6 structural aluminum and use silver-plated beryllium contacting gates to ensure the high isolation necessary to eliminate cross talk. All switches can handle 280kW, have low VSWR and insertion loss equivalent to the length of the waveguide.

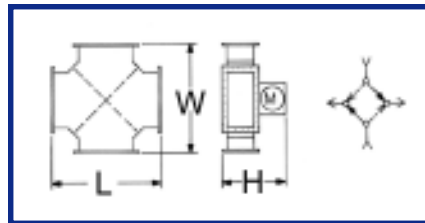
The motorized switch is designed for unattended operations, but can be manually operated in the event of power interruptions. The RF portion of the switch is identical for the manual and motorized versions. The switch drive is configured for 115 or 230VAC and can operate with either 12 or 24 VDC control voltages.

The variety of switches available from MCI eliminates the need of coax patch panels, thereby permitting the use of all Waveguide components. An all Waveguide RF system can improve the transmitter efficiency by as much as 10%, while reducing the overall system VSWR and the number of RF components.



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SPECIFICATIONS	
Power	280 kW
VSWR	1.08 Any Channel
Isolation	> 60 dB Any Channel
Insertion Loss	< 0.1 dB
Motorized Specs	
Switching Time	2 Seconds
Drive Power	110/220 VAC, 50/60 Hz 4.6 Amp. ¼ HP



		UHF		
FREQUENCY (MHz)		470-608	566-728	698-860
CHANNEL RANGE		14-36	30-56	52-69
SIZE		WR1800	WR1500	WR1150
MANUAL MODEL		65319	65318	65317
SIZE (L, W, H)	in	36x36x16	32x32x14	28x28x12
	(mm)	(914x914x406)	(813x813x356)	(711x711x305)
WEIGHT	lbs	150	120	100
	(kg)	(68)	(54)	(45)
MOTORIZED MODEL		65329	65328	65327
SIZE (L, W, H)	in	36x36x24	32x32x22	28x28x20
	(mm)	(914x914x610)	(813x813x559)	(711x711x508)
WEIGHT	lbs	200	175	150
	(kg)	(91)	(79)	(68)

All specifications are subject to change without notice

NOTES:

- All manual switches are capable of being field retrofitted to be motorized (consult factory).
- Manual override handle on all motorized switches
- Interlocked located at both ends of travel (manual and motorized switch).
- Positive locking pins on manual switch.



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