

SPECIFICATION SHEET

JFW MODEL 50MS-471

MATRIX SWITCH

JFW Industries, Inc.
Phone: 317-887-1340
sales@jfwindustries.com
www.jfwindustries.com

Frequency Range	400-7125 MHz
Configuration	6 x 6 Blocking Matrix (see block diagram 092-9263) (Unused Input ports are terminated) (Unused Output ports are terminated) (all ports are bi-directional) (the ADMIN password is located on rear panel)
Enclosure Type	19 inch rack mount @ 3 RU high
Impedance	50 Ohms nominal
RF Connector	N or SMA female
VSWR	2.0:1 maximum 1.6:1 typical
Insertion Loss	11 dB maximum 4.0 dB typical @ 400MHz 9.5 dB typical @ 7125MHz
Isolation	Input to Input: 90 dB typical / 80 dB minimum Input to Output: 90 dB typical / 80 dB minimum Output to Output: 90 dB typical / 80 dB minimum
RF Input Power	+26 dBm maximum
Switching Speed	10 microseconds (after command is received and processed) (3 milliseconds typical processing time)
Manual Control	20-Button Keypad and LCD display (IP Address configurable via keypad) (Net mask configurable via keypad) (Gateway configurable via keypad) (Baud rate configurable via keypad)
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)

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Remote Commands

Matrix Commands:

Matrix, Set Input, Set Output, Read Input, Read Output, Read All Inputs, Read All Outputs, Read Matrix Paths

System Commands:

Help, Identification, Store, Recall, Pause, Net, Serial, Close, Disconnect, MOTD, Date, Message, Restrict, IDENT, Name, Show Users, Reboot, Uptime, Prompt

Startup/Default States (configurable)

All ports OFF at startup (see MATRIX command)
DHCP enabled (see NET command)
4 Ethernet users (see NET command)
Prompts off (see PROMPT command)

All of these default settings can be changed by user. Unit can be configured for up to 12 Ethernet users.

AC Supply

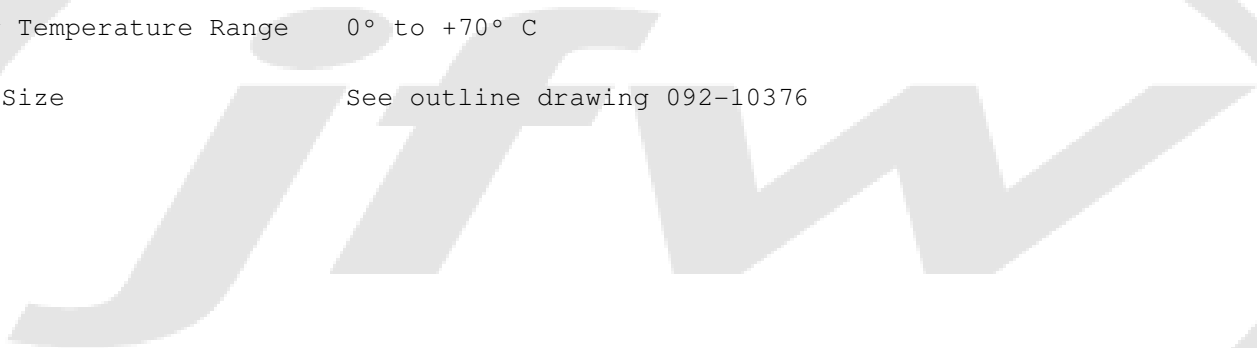
100-240 VAC @ 47-63 Hz

Operating Temperature Range

0° to +70° C

Physical Size

See outline drawing 092-10376



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	10/28/2024		TRS 10/28/2024				