

**SPECIFICATION SHEET**

**JFW MODEL 75SA-030**

**SWITCH ASSEMBLY**

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

Frequency Range 5-1000 MHz

Configuration 10 individually controlled 1P4T reflective solid-state RF switches

Enclosure Type 19 inch rack mount @ 4RU high

Startup/Default States (configurable) RF switches off at startup (see SWITCH command)  
DHCP enabled (see NET command)  
4 Ethernet users (see NET command)  
Prompts off (see PROMPT command)

Impedance 75 Ohms nominal

VSWR 1.3:1 maximum

Insertion Loss 2.5 dB maximum

Isolation 60 dB minimum

RF Input Power +20 dBm (1 dB compression)  
+30 dBm (no damage)

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)

Remote Commands RF Switch Control Commands:  
Switch, Set Switch, Read Switch, Set All Switches,  
Read All Switches

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

RF Connector F female

AC Supply 100-240 VAC @ 47-63 Hz

Operating Temperature Range 0°C to +50°C

Physical Size See outline drawing 092-4915

| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE       | REV | APPR / DATE    |
|-----------|------------|-----|----------------|-----------|------------|-----|----------------|
|           | 08/22/2005 |     | SL 08/22/2005  | 16179     | 08/07/2008 | C   | TRS 08/07/2008 |
| 11839     | 09/07/2005 | A   | SL 09/07/2005  | 20002     | 04/20/2011 | D   | TRS 04/20/2011 |
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