

SPECIFICATION SHEET

JFW MODEL 75SA-082

SWITCH ASSEMBLY

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

Frequency Range	DC-2150 MHz
Configuration	4 individually controlled 1P2T failsafe self-terminating electro-mechanical RF switches (Port 1 is failsafe position)
Enclosure Type	Low Profile Benchtop
Startup/Default States (configurable)	RF switches to port J1 at startup (see SWITCH 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.
Impedance	75 Ohms nominal
VSWR	1.60:1 maximum 1.25:1 typical DC-1000 MHz 1.40:1 typical 1000-2150 MHz
Insertion Loss	1.0 dB maximum DC-1000 MHz 1.5 dB maximum 1000-2150 MHz 0.6 dB typical @ 1000 MHz 1.0 dB typical @ 2150 MHz
Isolation	50 dB minimum DC-1000 MHz 45 dB minimum 1000-2150 MHz 70 dB typical @ 1000 MHz 60 dB typical @ 2150 MHz
RF Input Power	+20 dBm
Switching Speed	10 milliseconds (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

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

BNC, F or TNC female

AC Supply

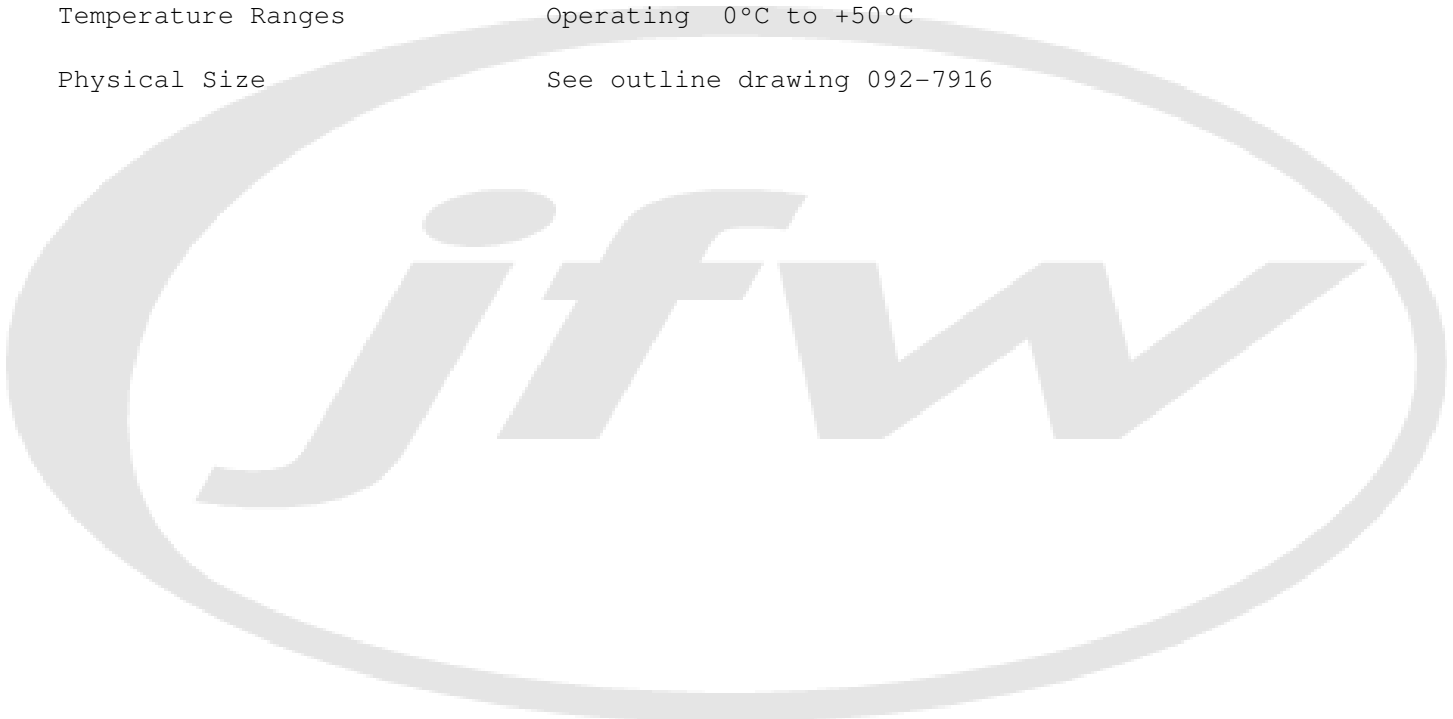
100-240 VAC @ 47-63 Hz

Temperature Ranges

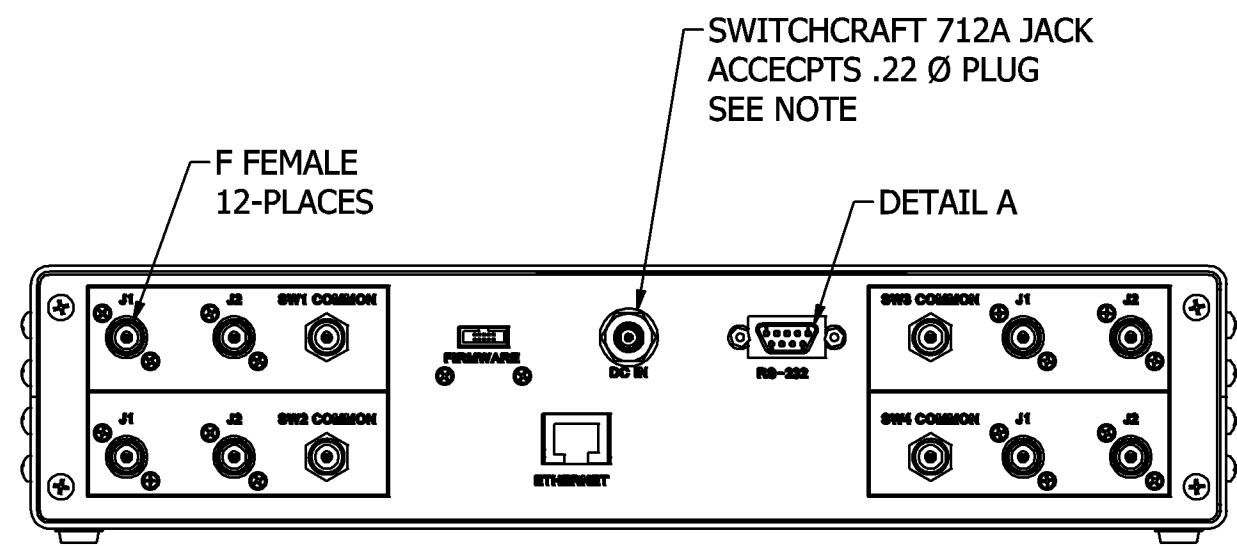
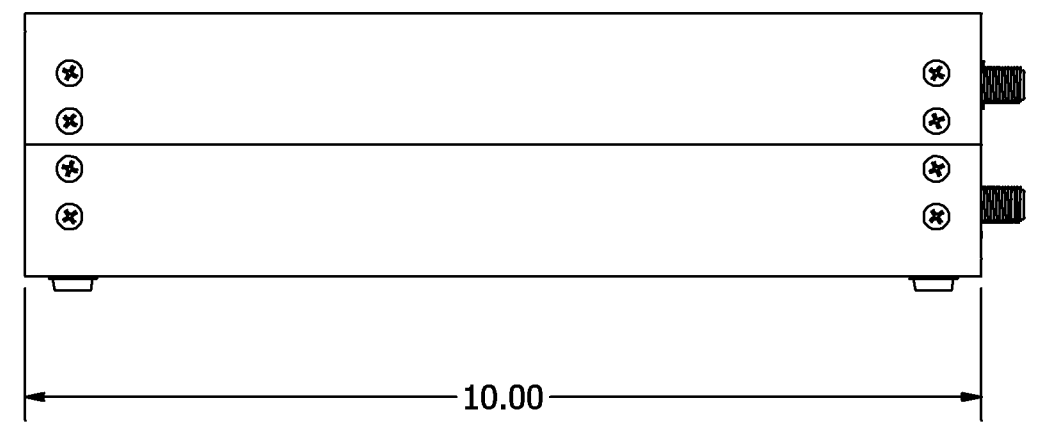
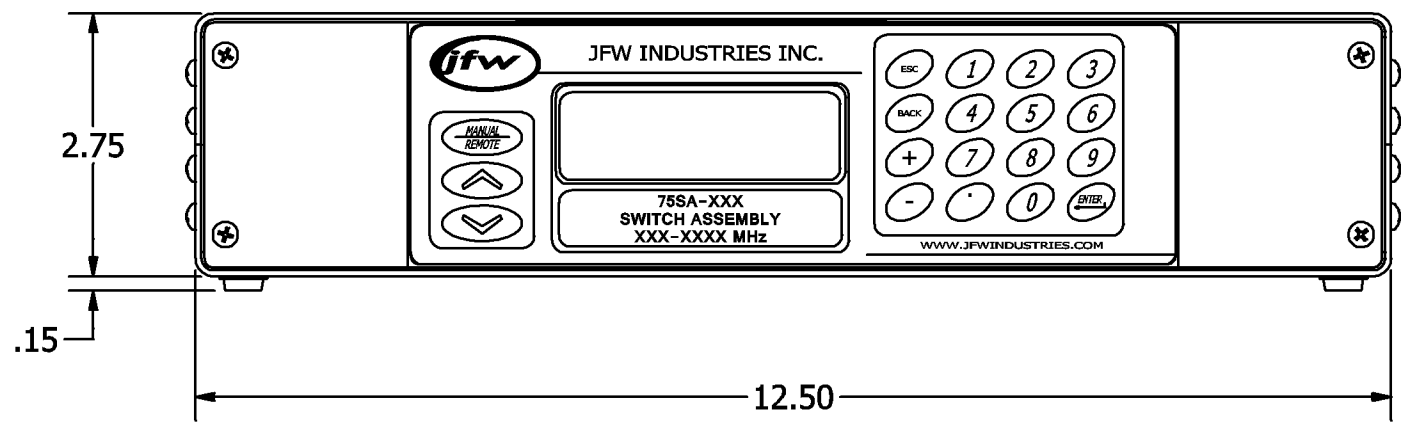
Operating 0°C to +50°C

Physical Size

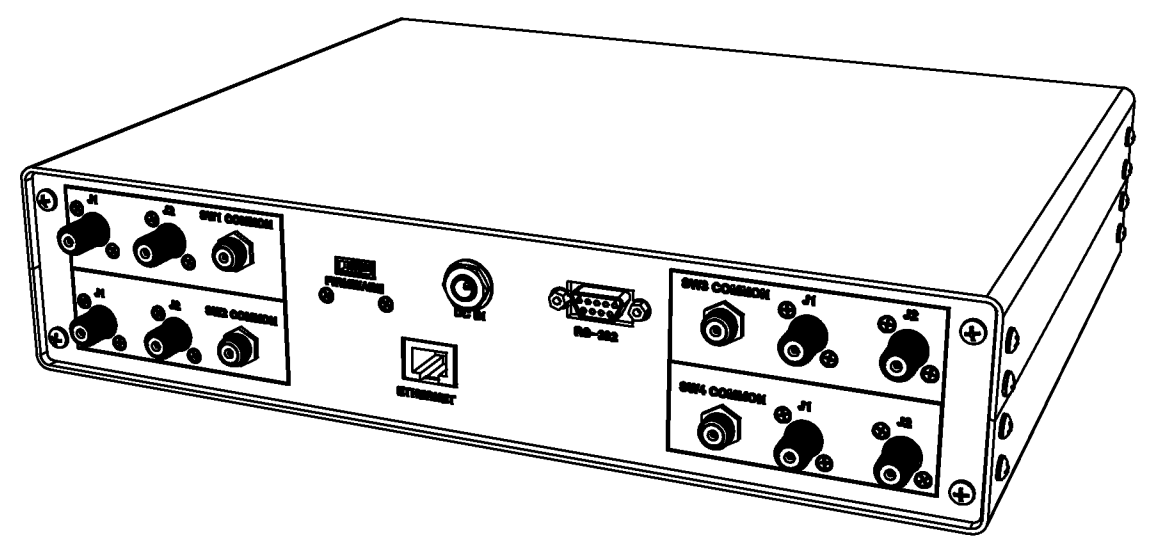
See outline drawing 092-7916



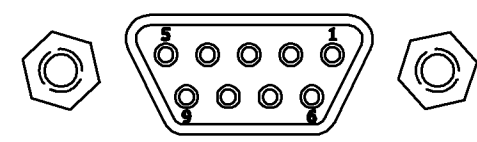
ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	01/27/2014		BAC 01/27/2014				
24239	08/06/2015	A	TRS 08/06/2015				



REAR VIEW



PIN	FUNCTION
1	CHASSIS GROUND
2	RECEIVED DATA
3	TRANSMITTED DATA
4	NO CONNECTION
5	SIGNAL GROUND
6	NO CONNECTION
7	RTS
8	CTS
9	NO CONNECTION



DETAIL A
DE-9S

SWITCHCRAFT 712A JACK
ACCEPTS .22 Ø PLUG
SEE NOTE

F FEMALE
12-PLACES

DETAIL A

NOTE: THIS UNIT IS SUPPLIED WITH A 12 VOLT TRANSFORMER (100-240 VAC)

REV	ECN	DATE	BY	APPR
-	ISSUED	1-28-14	JZ	TEZ
A	24240	8-6-15	BZ	TEZ
B	24444	12-17-15	JZ	TEZ



JFW INDUSTRIES, INC.

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MATERIAL	ALUMINUM ALLOY	PROPRIETARY INFORMATION
FINISH	CASE: BLACK PAINT / FRONT & REAR: GRAY PAINT	ALL SURFACES ARE TO BE FREE OF BURRS, PITS & SCRATCHES
MODEL	75SA-XXX	TOLERANCES .XX±.010 .XXX±.005 XX°±.5°
DESCRIPTION	SWITCH ASSEMBLY	DWG # 092-7916