

Section 3

RF HARDWARE

Updated 24 March 2011

FLA1792 Coaxial Power Surge Protector, N-Female to N-Female, Flange Mount Through Wall

Operating Frequency
Up to 2.5 GHz



Suitable for frequencies up to 2.5 GHz and 40 watts power, this RF MAX model FLA1792 coaxial power surge protector is specifically designed to be flange mounted through the wall of the building where your transmitter is located.

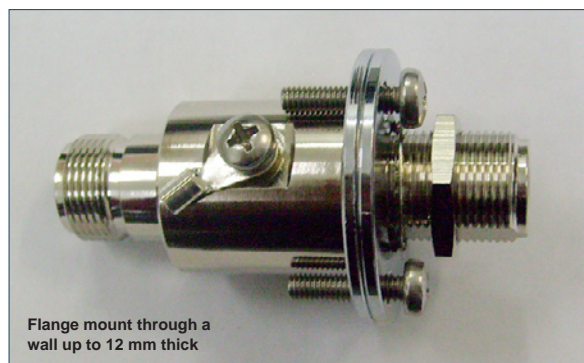
The wall can be up to 12 mm thick. Drill 4 holes as per the mounting diagram. Position the two solid nickel plated brass flanges either side of the wall and secure the power surge protector in place by tightening the 3 screws provided.

The outdoor to indoor cable transition is easily weatherproofed using a non-acetic silicon sealant.

In the event of any power surge over 230 Volts DC, the fast response gas filled arrestor instantly fires clamping the voltage between the inner and outer conductors of the coaxial cable. This virtual short circuit diverts the power surge to ground and gives your transmission equipment the greatest chance of survival.

To be effective, the body of the surge protector must be attached to a well grounded part of the structure. An earthing lug is provided for this purpose.

Following any lightning strike, the FLA1792 coaxial power surge protector will most likely have been destroyed and will need to be replaced.



Flange mount through a wall up to 12 mm thick

SPECIFICATIONS	FLA1792
Connectors	N-Female to N-Female
Construction	Brass, teflon, beryllium copper, phosphor bronze and silicon rubber with nickel plated brass flanges
Maximum Operating Frequency	D.C. up to 2.5 GHz
Sparkover Voltage	Above 230 Volts DC
Maximum Power	40 Watts
Impedance	50 Ohms
VSWR	Less than or equal to 1.15:1
Insertion Loss	Less than or equal to 0.2 dB
Earthing	Earth Lug provided
Operating Temp	-40°C to +85°C
Dimensions	70 mm long, 38 mm diameter flanges
Weight	145 grams
Mounting	Flange mount through a wall or plate up to 12 mm thick
Hole Diameters Required	1 x 18 mm centre hole, 3 x 4.5 mm holes for bolts provided
Weatherproofing	Use a non-acetic silicon sealant



Mounting Diagram

