

FM-ZCPD series

FM Radio high power dipole panel

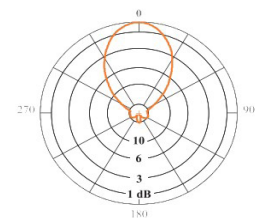
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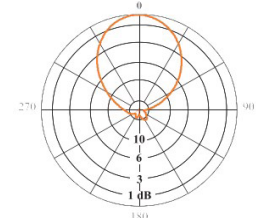
The FM-ZCPD is a medium to high power dipole panel antenna for FM Radio broadcast, designed to be installed into an array this panel offers mixed or circular radiation patterns.

Coaxial feeder cable, connectors and other installation accessories are all available separately.

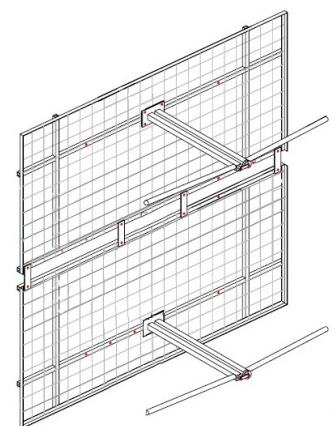
Specifications	FM-ZCPD	FM-ZHPD
Construction	Galvanised steel rear screen and 304 stainless steel dipole/s	
Frequency range	FM band 87.5-108MHz	
Number of dipoles	4	2
Bandwidth	Specify 10MHz	
Tuning	Factory	
VSWR	<1.2:1	
Gain	4.5dBd per plane	7.5dBi
Maximum power	Per dipole: 7/16" DIN female: 2kW or 7/8" EIA: 5kW	
Impedance - nominal	50 Ohms	
DC grounding	Yes	
Polarisation	Circular or Mixed	Horizontal only
H Plane	65°	
Connector	4 x 7/8" EIA or 4 x 7/16" DIN female - please specify	2 x 7/8" EIA or 2 x 7/16" DIN female - please specify
Panel size (L x W)	2.2 metres x 2.2 metres	
Weight	76kg	69kg
Projected area	1.19m ²	
Wind load at 160kph	18.2kg, 0.187kN	
Mounting	4 x mounting plates - order U-bolts or bolts	
Mounting hardware	U-bolts - order separate to suit requirements, contact ZCG	
Warranty	2 Years	



H-Plane



E-Plane



FM-ZHPD horizontal panel

More available models on following page...

FM-ZCPD series

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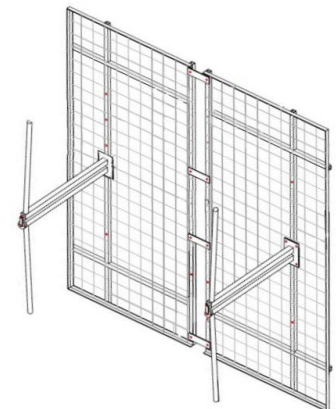
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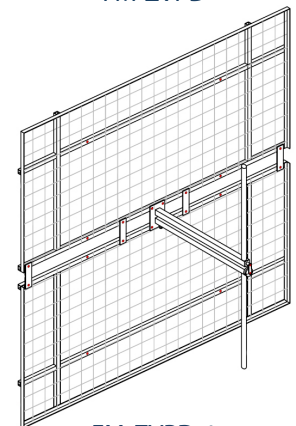
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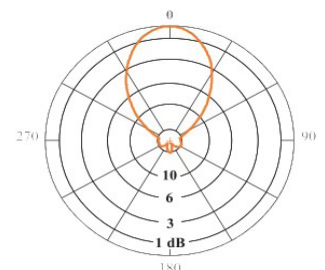
Specifications	FM-ZVPD	FM-ZVPD-1
Construction	Galvanised steel rear screen and 304 stainless steel dipole/s	
Number of dipoles	2	1
Frequency range	FM band 87.5-108MHz	
Bandwidth	Specify 10MHz	
Tuning	Factory	
VSWR	<1.2:1	
Gain	6.5dBd	7.5dBi
Maximum power	Per connector: 7/16" DIN female: 2kW or 7/8" EIA: 5kW	
Impedance - nominal	50 Ohms	
DC grounding	Yes	
Polarisation	Vertical	
H Plane	65°	Consult ZCG
Connector	2 x 7/8" EIA or 2 x 7/16" DIN female - please specify	1 x 7/8" EIA or 1 x 7/16" DIN female - please specify
Panel size (L x W)	2.2 metres x 2.2 metres	
Weight	69kg	60kg
Projected area	1.19m ²	
Wind load at 160kph	18.2kg, 0.187kN	
Mounting	4 x mounting plates - order U-bolts or bolts	
Mounting hardware	U-bolts - order separate to suit requirements, contact ZCG	
Warranty	2 Years	



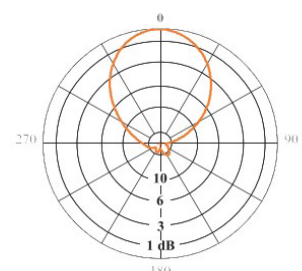
FM-ZVPD



FM-ZVPD-1



H-Plane



E-Plane

FM-ZCPD series

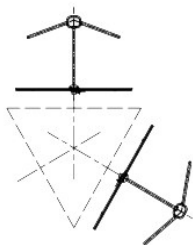
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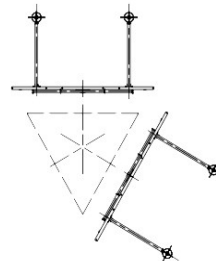
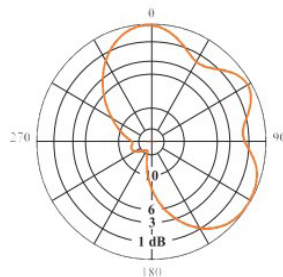


The FM-Z*PD series of panels can be arranged to suit all arrays of towers from triangular to square. Steel work for mounting is not supplied with your antennas and should be ordered/sourced separately.

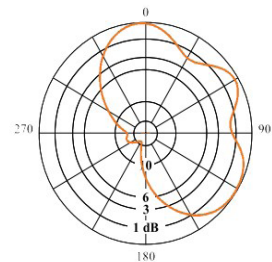
Omni-directional patterns can be obtained by mounting antennas on all sides of the structure/tower.



Horizontal Component of Field.



Vertical Component of the field.



Specifications	FM-ZCPD array configurations
Number of bays	Panels per bay
1	1, 2, 3 or 4
2	1, 2, 3 or 4
4	1, 2, 3 or 4
6	1, 2, 3 or 4
8	1, 2, 3 or 4
Maximum power	15kW per 7/8" EIA panel or 8kW per panel for 7/16" Din
Impedance	50 Ohms
DC grounding	Yes
Polarisation	Circular/ mixed

