

The FE595RMS is designed to take the four Blade Passing Signals (BPS) from Fylde's 4 Channel High Speed CDT System (FE596CDT) and provide four low speed RMS converted outputs along with four buffered BPS outputs.

For compatibility reasons the RMS conversion is the same as that used in all of Fylde's FM Demodulators (FE437 / 447 / 557CDT)

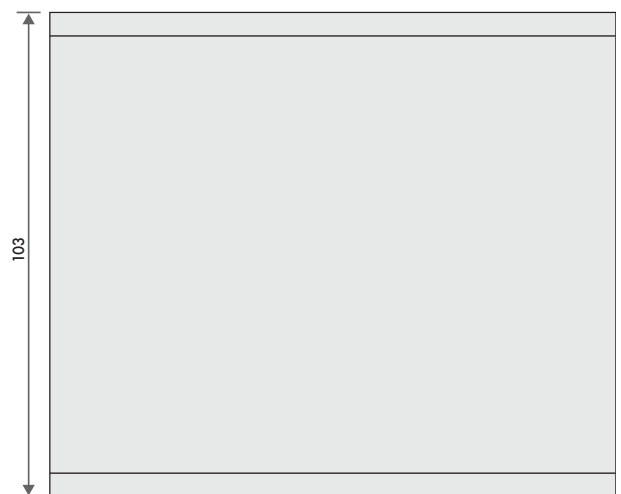
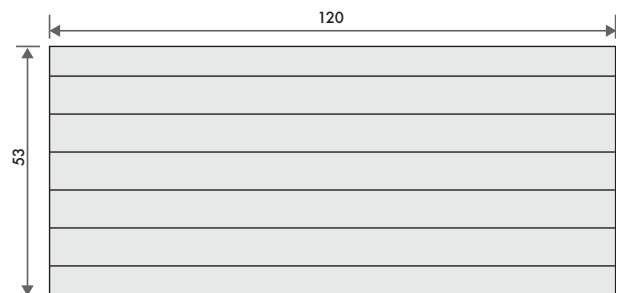
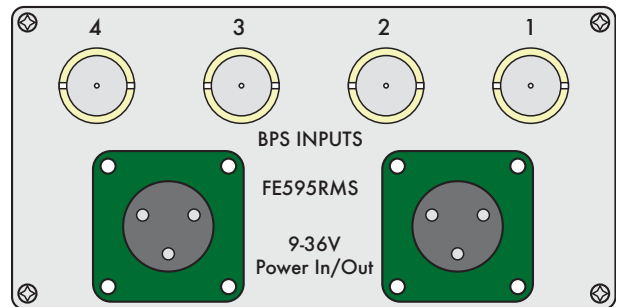
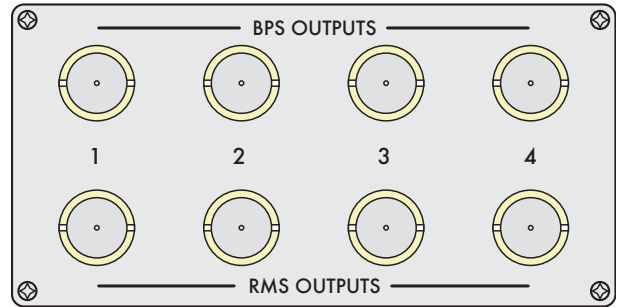
Again, as with all previous FM Demodulators a plug-in resistor network allows the RMS Filter to be set from 25mHz up to 250Hz.

BNCs are used for all BPS / RMS inputs & outputs

Two parallel wired 3 pin Amphenol Power Connectors are fitted. This allows the unit to be powered off the same mains to 24V DC PSU that powers the FE596CDT4 (a jumper cable is required).

**Specification**

No. of channels	4 off identical
BPS Input	BNC 1M $\Omega$ i/p impedance Unity gain non inverting $\pm 10V$ range
BPS Output	BNC $\pm 10V$ range 100 $\Omega$ impedance
Conversion method	High speed precision rectifier with averaging low pass filter
RMS scaling	1VDC for 1V pk-pk squarewave on Blade Passing output.
RMS filter.	Plug-in resistor network
Bandwidth	0.025Hz to 250Hz. (-3dB)
Rise Time	14.0S to 1.4mS. (10% to 90%)
Factory fitted	value 470k $\Omega$ = 200mHz / 1.75S.
RMS Output	BNC $\pm 10V$ range 100 $\Omega$ impedance
Power	Supply 9-36V DC @2W max 3 pin Amphenol
Temperature Range	Working 0 $^{\circ}$ C to +70 $^{\circ}$ C storage -35 $^{\circ}$ C to +85 $^{\circ}$ C
Enclosure	Extruded Aluminium with Plastic Bezels 120 x 103 x 53mm not including connectors.



all dimensions in mm, does not include connectors