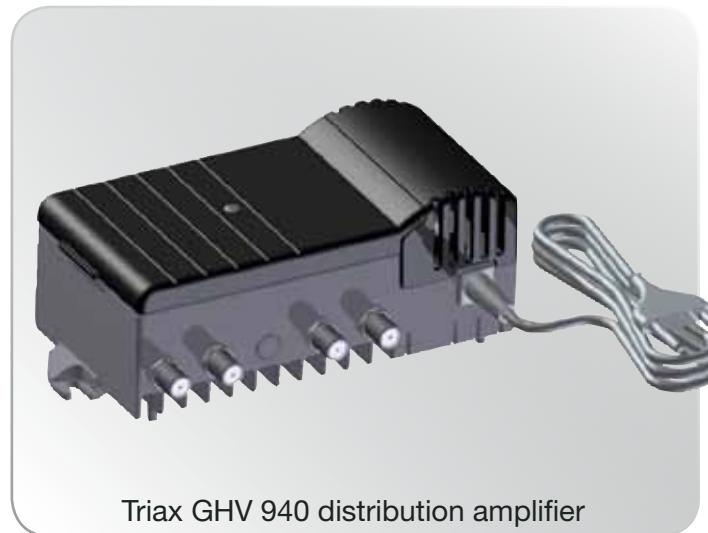


New Triax GHV 940 distribution amplifier

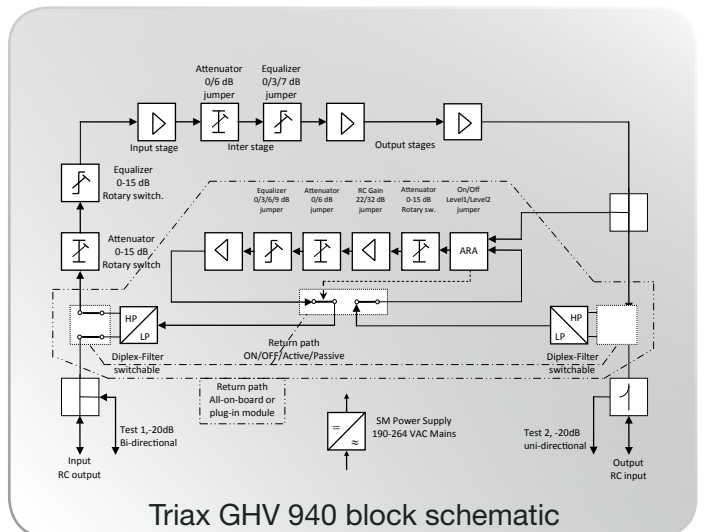
- Triax GHV 940-series is a low noise coaxial house distribution amplifier, for use in medium to large CATV distribution networks in multi-dwelling houses, (NE4).

The GHV 940-series distribution amplifier has a modular design with return path all-on-board for easy setting and installation, yet is also fully configurable using plug-in modules. Rotary switches and jumpers provide for readable, easy and reproducible setting of attenuation and equalization, maintaining a non-breakable signal path down- and upstream to avoid down-time.

- Optimised 1 GHz technology
- Up to 40 dB downstream amplification/high output level
- Adjustable attenuation and equalization settings in 1dB steps using rotary switches and jumpers.
- All-on-board return path technology, all features available without module.
- Upstream 22/32 dB amplification/High output level
- On-board return path and diplexer can be replaced by a plug-in module in case of damage caused by a surge or lightning.
- Adjustable attenuation and equalization settings in 1dB steps using rotary switches and jumpers.
- Switchable VHF band I (RC=OFF) or 5-65 MHz return path (RC=ON)
- Selectable return path: On/Off, Active/Passive.
- Other return path and diplexer specifications available by mounting a plug-in module.
- Automatic return channel activation (ARA). Switchable return channel blocker for noise suppression.
- All connectors are F-connector female, individually mounted.
- - 20dB input and output test connectors
- Extensive ESD- and surge-protection
- Unit is mains fed via an EU-type power plug.
- Low power consumption



Triax GHV 940 distribution amplifier



Triax GHV 940 block schematic

Technical data:

- see next page



Triax GHV 940

distribution amplifier



Technical data

Type Art No.	GPV 940 323166	
Frequency range	47-1006/85-1006	
Forward path/Forward path w. return on Return path	MHz MHz	5-65
Gain forward		
Gain @ 1006 MHz	dB	40
Input attenuator - 1dB step (rotary switch)	dB	0-15
Input equalizer - 1dB step (rotary switch)	dB	0-15
Interstage attenuator (jumper)	dB	0/3/7
Interstage equalizer (jumper)	dB	0/6
Gain return path		
Gain @ 60 MHz	dB	22/32
Interstage attenuator (jumper)	dB	0/6
Interstage equalizer (4 steps/jumper)	dB	0/3/6/9
Linearity frequency response		
@ 47...1006 MHz	dB	± 1.5
@ 85...1006 MHz	dB	± 1.0
@ 5.....65 MHz (return)	dB	± 1.0
Noise figure		
Forward (VHF I „on“)	dB	7.0
Return path (RP „active“)	dB	7.0
Return loss @ 40 MHz, -1.5 dB/octave min. Cat C		
Forward	dB	> 18
Return path	dB	> 18
Output level forward		
CSO Cenelec 42 ch. 862 MHz, Slope 0/7 dB	dB μ V	108
CTB Cenelec 42 ch. 862 MHz, Slope 0/7 dB	dB μ V	108
Output level return path		
IMR2 acc EN 50083-3	dB μ V	104
IMR3 acc EN 50083-3	dB μ V	107
Max. output level 16 QAM (KDG1TS140 - C)	dB μ V	120
RF connectors (75 Ohm)		
Ports	pcs	4 x F-con
Input		F-female
Output		F-female
Test point input: bi-directional	dB	-20
Test point output: uni-directional	dB	-20
Operating conditions		
Max. RF level (EMC)	dB μ V	113
Power supply voltage (50-60 Hz)	V	190-264
Power consumption	W	< 9
Operating temperature	°C	-25...+55
Protection class		II
Housing protection degree	IP	20
Dimensions W x H x D	mm	190 x 110 x 80
Weight	kg	2
Packing unit	1 pcs. carton box	
Reference standards		
Product standards/safety/EMC RoHS 2002/95/EG compliant	EN 50083-3 - Class 2/EN 50083-1; EN 60065/EN 50083-2 Yes	

Recycling:

This product is manufactured in compliance with current EU environmental and recycling requirements and standards (WEEE, RoHS, etc.). Please observe your local implementation and requirements when recycling.



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DK-8723 Hornslyd • +45 76 82 22 00 • mail: triax@triax.dk • www.triax.com