

**Front Panel View**

**Rear Panel View**


### Features & Benefits

As an active forward path distribution device, the unit provides 32 input and 1 output ports with an ultra-flat signal response for delivery to an optical transmitter in the frequency range 48-1002MHz.

- Compact & modular active components construction, occupies only 1RU
- Output step Attenuator
- Simplifies engineering and architecture design challenges and allows for duplication between sites.
- Significantly reduces the use of external jumper cables, rack space, and manpower hours of labor.
- Custom designs welcomed.

**THREE YEAR PARTS AND LABOR WARRANTY INCLUDED**

The ACR-205 series of Return Active Combiners are designed for typical usage within headend and hub site environments. Devices are built within a standard 19" EIA rack, are compact, and using only 2 rack units of space. The system provides an ultra-flat RF output signal for distribution RF transport. It is an extremely reliable and cost effective platform and has a very flexible feature set required for today's modern cable TV plant.

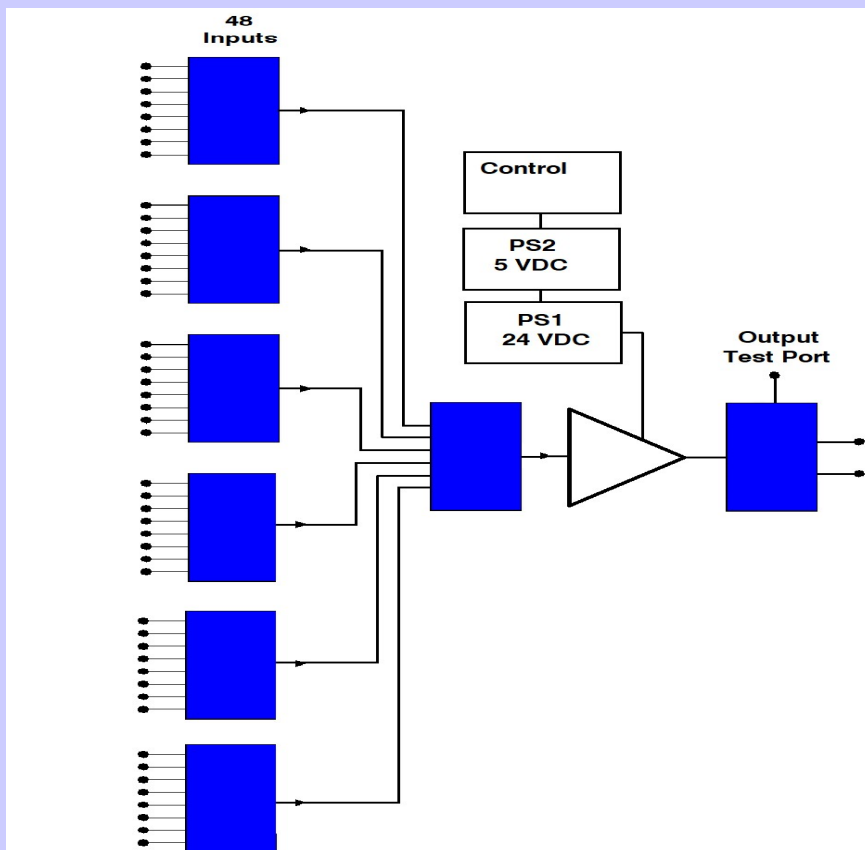
As a completely passive combining device, the solution allows for architecture design consistency amongst multiple hub sites while saving precious rack space. As an integrated system solution, the units significantly reduce external cabling. Like a fully passive device there are no distortions added to combined signals.

The units are designed for insertion of 48 input signals and deliver them to 2 outputs. The output attenuator allows to reach optimal output signal level with 1 dB step. The newly design option with rotary step attenuator has less maximum attenuation only 5 dB with same step and better RF screening factor compare push button one.

Built-in Equalizer provide flat output signal cross working frequency band.

It is common to configure the units to interface with the appropriate input level required by the optical transmitter at that particular site. The system is uniquely configured to allow the introduction of advanced revenue generating services, without disrupting the network or its current content delivery.

Please contact us for additional technical support or product information.



ACR-205 Block Diagram

**Technical Specifications:**

<i>Parameters</i>	<i>Units</i>	<i>Spec</i>
Bandwidth	MHz	48 - 204
Number of Inputs		48
Number of Outputs		2
Gain Input -Output (Amplifier's Gain: 25/30/35)	dB	14.0/19.0/24.0
Gain Accuracy	dB	±0.5
Gain Flatness	dB	±0.25
Output Test Ports	dB	-20.0±0.5
Return Loss all Ports, min	dB	22
Isolation between Inputs, min	dB	35
Total Composite Power at Input, max	dBm	0
RFI, min	dB	100
Power	VDC	- 48
Dimensions, WxHxD	inch	19x3.5x14
Weight	lb	8