

M107-860-5TRM-HP, 10TRM-HP

COMPACT EXPANDABLE TRUNKING COMBINER 175 WATTS

Telewave Compact Low Loss High Power Combiners are designed for trunking applications up to 175 watts per channel.

All trunking combiners are shipped complete with 72" x 19" EIA Rack, power monitoring, wattmeter panel with remote keying, 175 watt isolator, -50 dB sampler on 2nd stage isolator load port (125 watt load), and N-Female or optional 7-16 DIN-F connectors all mounted on a 17.5"x 19" panel. Standard cabling is high-temp RG-393.

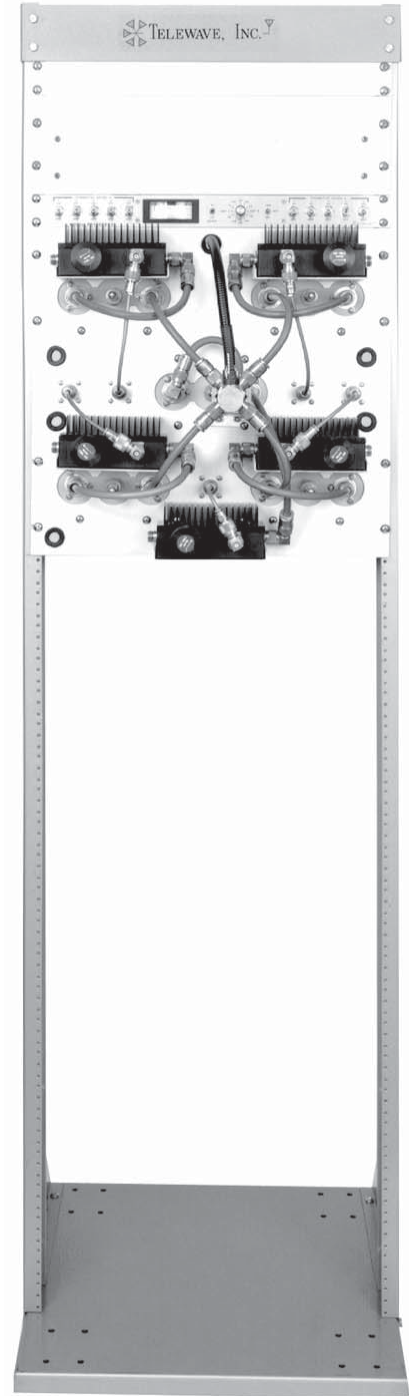
Channel expansion or maintenance can be performed without disruption of the system. RF power metering is switchable for forward and reverse directions for each transmitter and antenna. Convenient remote transmitter keying is included on the RF wattmeter panel.

FEATURES

- FIELD TUNABLE
- 10 TRANSMITTERS INTO ONE ANTENNA
- POWER MONITORING FOR ALL CHANNELS AND ANTENNA
- -50 dB RF OUTPUT POWER SAMPLER - EACH CHANNEL

OPTIONS

- RECEIVER PANEL - 1RU
- 500 WATT DUPLEXER - 15 MHz PASSBAND w/ 7-16 DIN
- ½" HELIAX / 7-16 DIN INTERCONNECT CABLE FOR HIGH POWER DUPLEXER AND COMBINER
- RG-393 PHASING HARNESS WITH 7-16 DIN CONNECTORS FOR (2) 5-CHANNEL PANELS
- HIGH POWER 5-WAY 7-16 DIN JUNCTION



SPECIFICATIONS		
Transmitter combiner	5 ch. 10 ch.	M107-860-5TRM-HP M107-860-10TRM-HP
Frequency range		851-869 MHz
Frequency spacing		250 KHz
Metering		All transmitters and antenna
Temperature		-30°C to +60°C
TX to TX isolation		85 dB (min)
Antenna to TX isolation		80 dB
Insertion loss (typ)		
5 ch. at 1 MHz spacing		2.2 dB
5 ch. at 250 KHz spacing		3.6 dB
10 ch. at 500 KHz spacing		3.2 dB
Cavity size		7" diameter
Power input per channel (max)		175 watts
VSWR		1.25:1
Panel size (HWD) in. (cm)		17.5 x 19 x 17 (44.5 x 48 x 43)
Connectors		TX inputs - N-F / Output - 7-16 DIN F