TMD4100

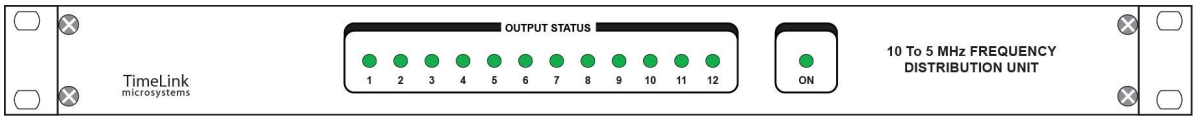
Frequency Divider & Distributor

Functions

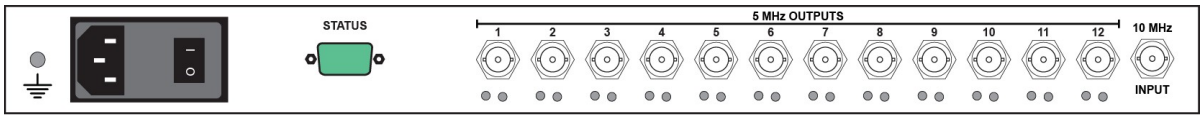
- The TMD4100 ensures the division of a 10 MHz frequency signal and the distribution into 5 MHz
- It offers 6 or 12 identical outputs.
- The equipment comes in the form of a 19-inch 1 U high rack-mount drawer.
- On the front of the equipment, a "ON" light indicates that the equipment is energized.
- Six or twelve LEDs individually give the status of the outputs.

Features

- Input Level signal goes from 3dBm to +13 dBm
- The outputs provide level 3 to +13 dBm on a 50 loadΩ.
- All outputs are individually isolated by transformers.
- The outputs are equipped with low-pass or bandpass filters.
- The input/output gain is set at the factory. The desired value must be specified at the time of ordering.
- Signal inputs and outputs are localized at the rear side of the equipment.
- The connectors for the inputs and outputs are isolated BNC header type.
- 230V AC mains power supply via standard CEE power connector with fuse, mains filter and on/off switch.
- Alarm output for remote monitoring: Potential-free relay contact. 9-point female D-Sub connector.
- Dimensions: Width 483 mm, Height, Depth 250 mm44 mm
- Power consumption: 50W
- Weight: 4 Kg
- MTBF: 100,000 h



TMD4100-12 front panel



TMD4100-12 Rear

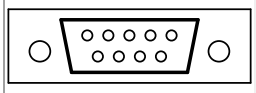
TMD4100

Frequency Divider & Distributor

Features (continued)

- Alarm connector pinout

  Type: 9-point SUBD female
  Name: ALARM
  Signal Level: Dry Loop
  Pinout:

Pine	Relay	Signal definition
1	NO	Signal 10Mhz **NOK**
2	NC	10 MHz signal **OK**
6	Common	Signal 10 MHz
4		
5		
3	Common	Power
7	NO	Power Supply N**OK**
8	NC	Power supply **OK**
9		
5 4 3 2 1  9 8 7 6		Front view

- A green illuminated "ON" light indicates that the equipment is powered on.
- Six or twelve LEDs give the status of each output:

  Output X Green LED indicates output signal is tested ok

  Output X Red LED indicates output signal is tested not ok

  Note: To test the channels, a short circuit is simulated on the output to be tested.

Order Code

TMD4100	**-6**	1 x 10 MHz input and 6 x 5 MHz outputs
TMD4100	**-12**	1 x 10 MHz input and 12 x 5 MHz outputs