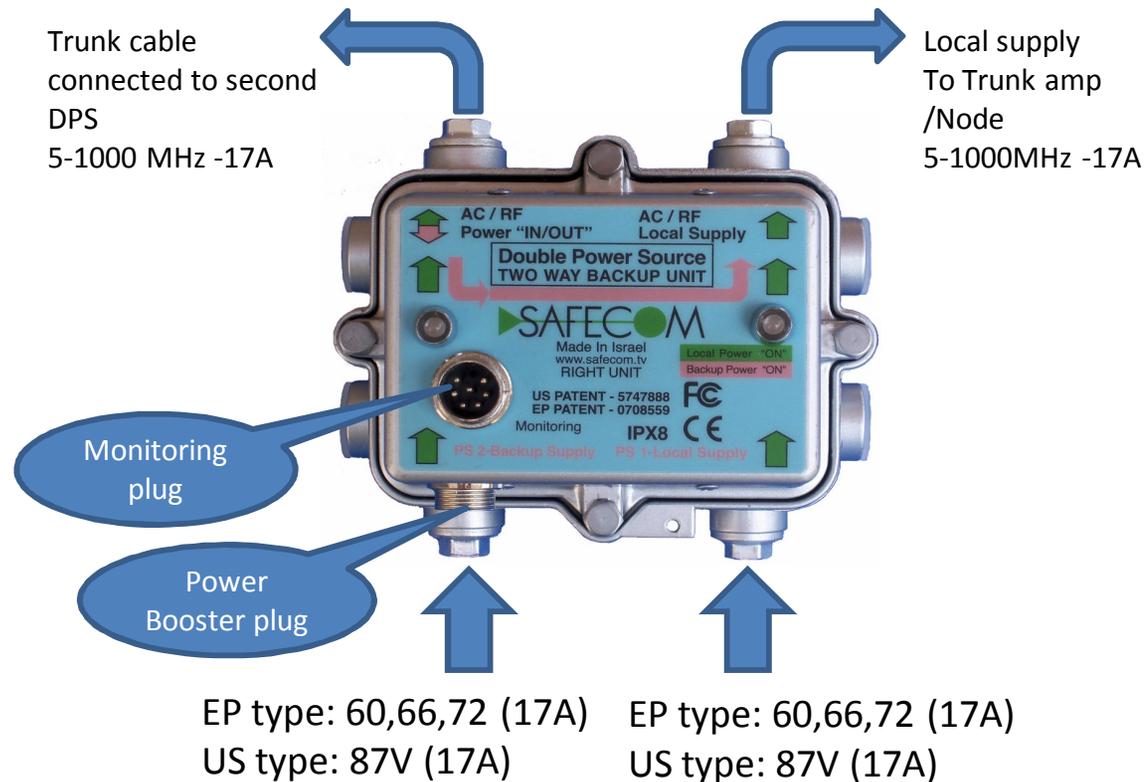


DPS ver 4 Installation guide

Typical configuration Optical node + Trunk amplifier

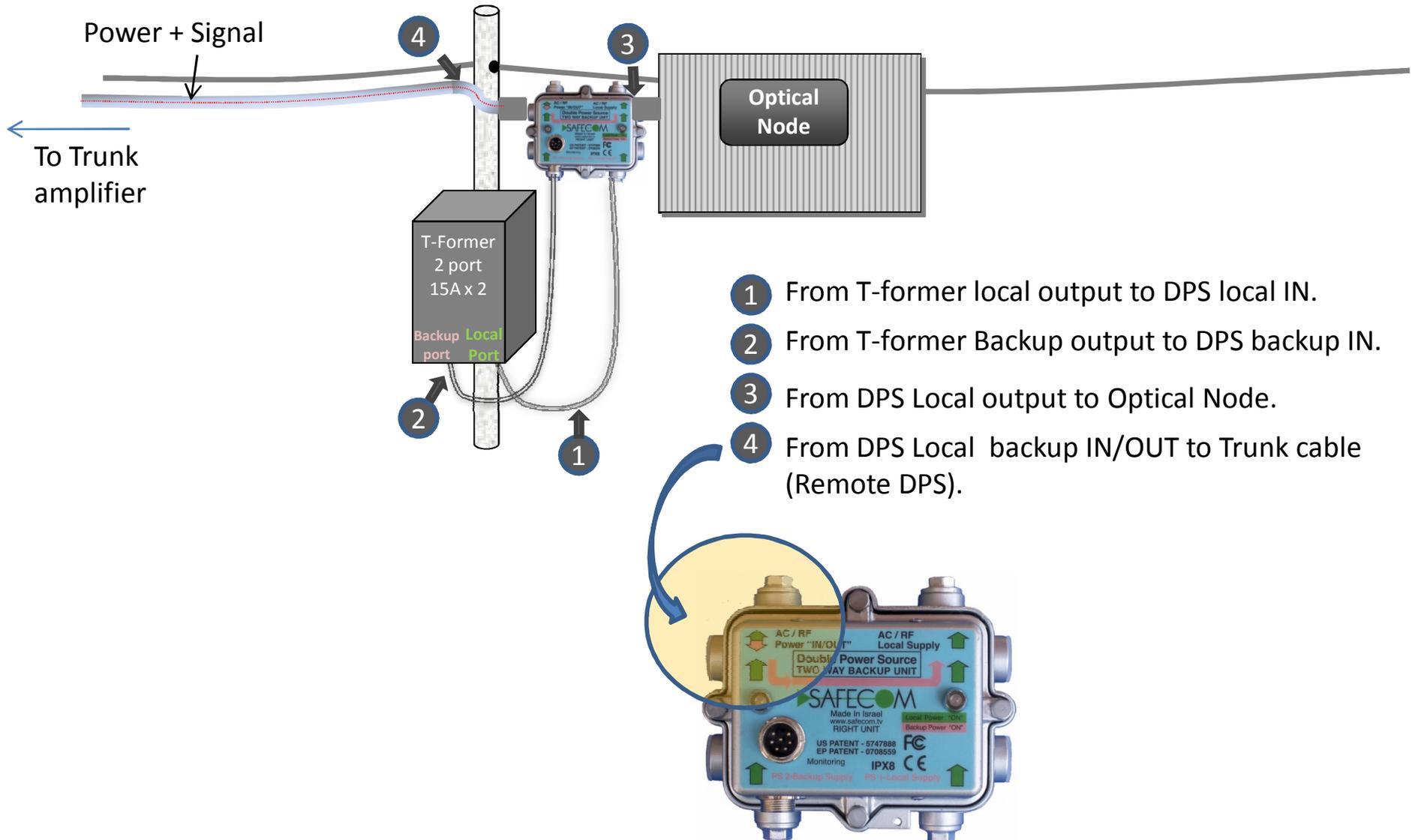
Introduction

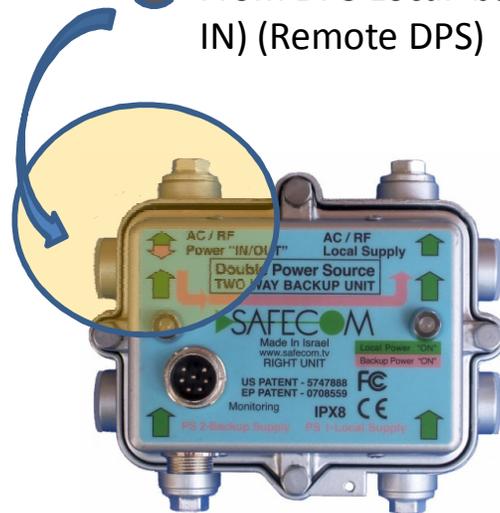
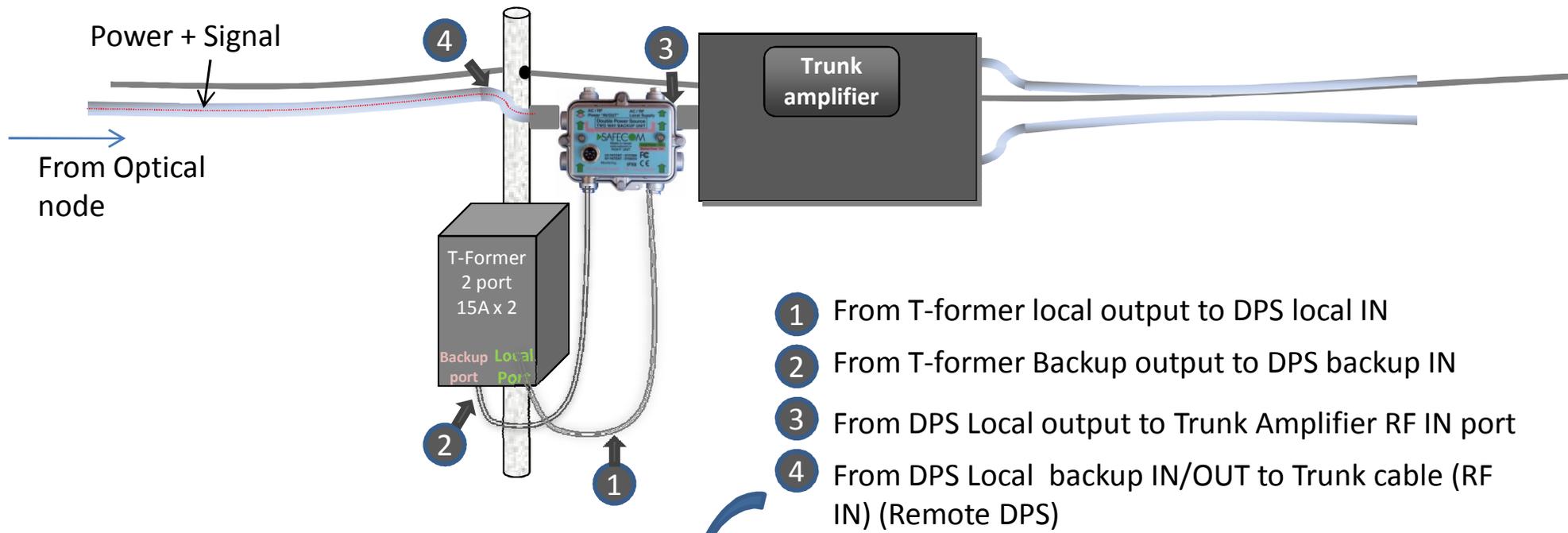
Exploiting advanced technologies, Safecom's proven patented DPS4 turns existing coax lines into dynamic super power highways that provide total network backup. Based on the strategic placement of intelligent power management devices throughout the network, in the event of a power outage the DPS4 draws power from the nearest available source over existing coax or power cable.



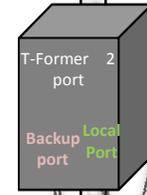
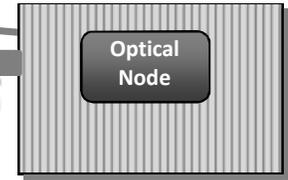
DPS ver 4 Installation guide

Typical configuration Optical node + Trunk amplifier

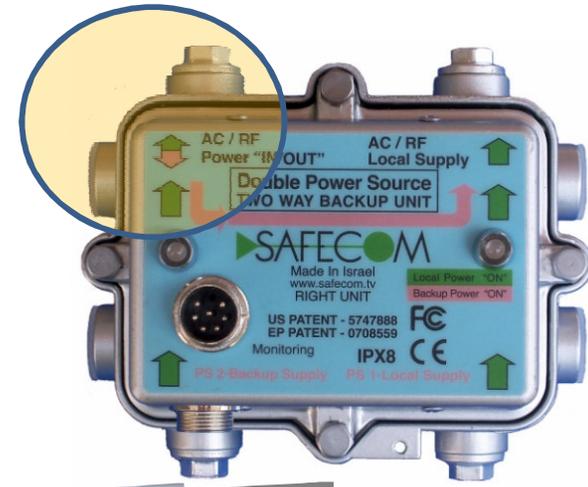




Power + Signal
To Trunk amplifier

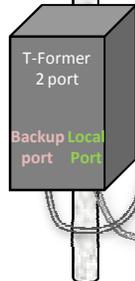


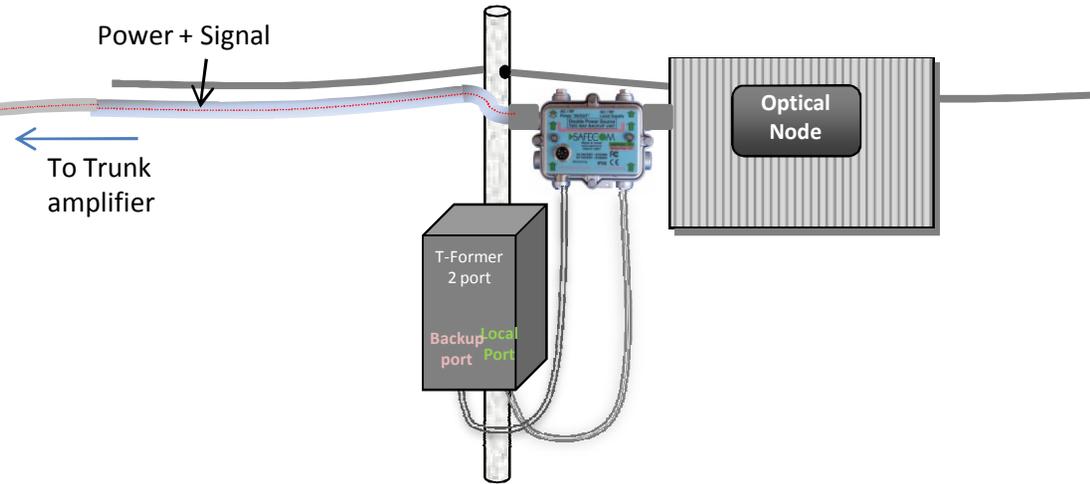
NOTE: AC /RF POWER "IN/OUT" port right unit is connected to AC /RF POWER "IN/OUT" port Left unit **ONLY**



Power + Signal

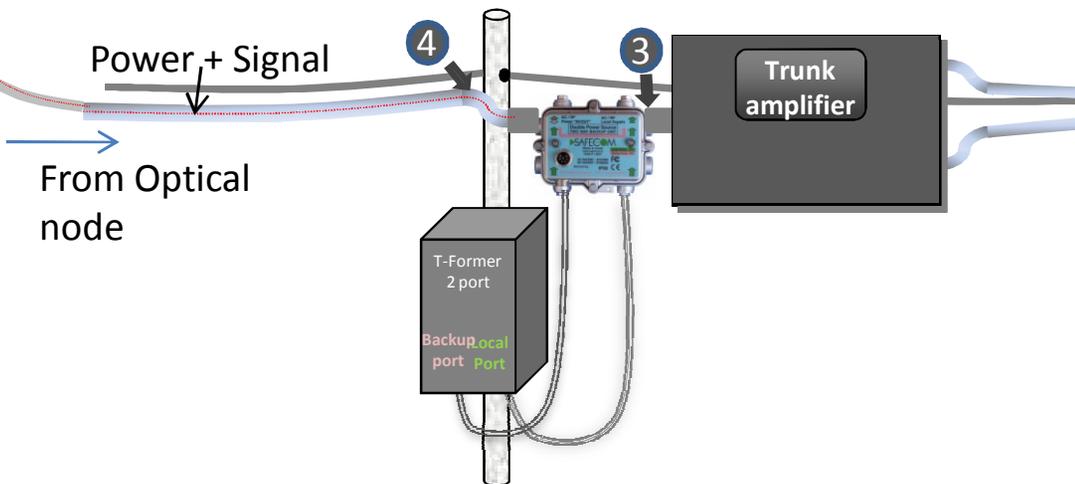
From Optical node





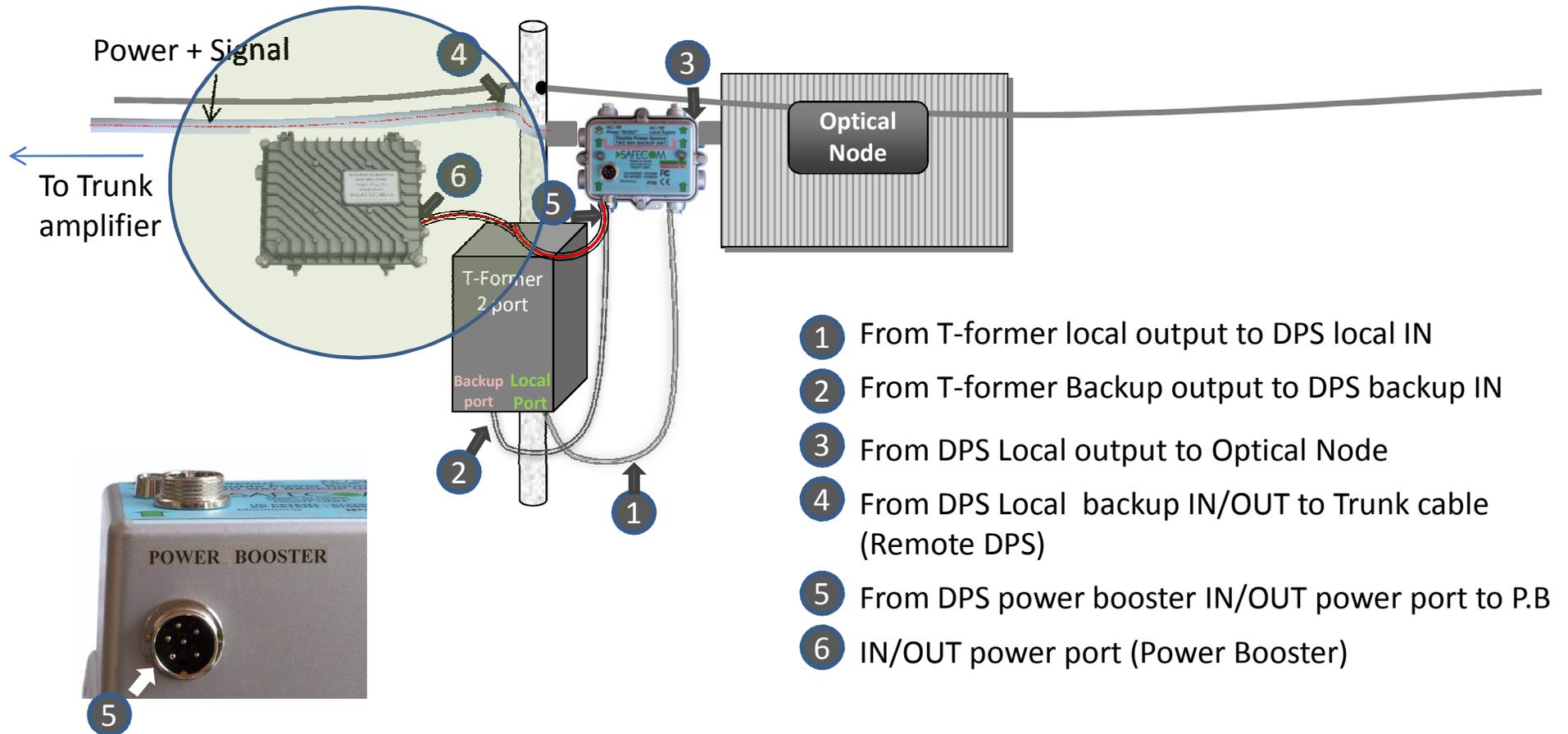
Operational & Testing Instructions for the DPS system

1. Turn ON the first Dual P.S. (Location 1).
Local & Backup power LEDs should be green when the first non-standby power supply is started.
2. Turn ON second Dual P.S. (Location 2).
Local Power LED should be green and Backup power LED should be red.
3. Turn OFF Dual P.S (Location 1) Both LEDs will turn RED.
(Now the Fiber node will receive alternative power from the neighboring Trunk amplifier via the DPS).
4. Reestablish mains power to P.S location 1.
Local Power LED = GREEN, Backup Power LED = RED
5. Return to POWERING LOCATION #2
Turn OFF mains power to Dual P.S (Location 2) Both LEDs will turn RED. (Now the Trunk amplifier will receive alternative power from the optical mode via the DPS).



Connecting power booster to DPSV4

Power Booster can be seamlessly connected via cable to the DPS4 by bridge cable.



Safecom' cost-saving patent pending Power Booster compensate the voltage drop over coax cable and enables to utilize the DPS technology between remote locations. **The Power Booster can be seamlessly connected via cable to the DPS4 enabling robust power redundancy system and overcome the range limitation of the previous DPS**

Operational & Testing Instructions for the DPS system

1. Turn ON the first Dual P.S. (Location 1). Local & Backup power LEDs should be green when the first non-standby power supply is started.
2. Turn ON second Dual P.S. (Location 2). Local Power LED should be green and Backup power LED should be red.
3. Turn OFF Dual P.S (Location 1) Both LEDs will turn RED. Now the Fiber node will receive alternative power from the neighboring Trunk amplifier via the DPS.
4. Reestablish mains power to P.S location 1. Local Power LED = GREEN, Backup Power LED = RED
5. Return to POWERING LOCATION #2 Turn OFF mains power to Dual P.S (Location 2) Both LEDs will turn RED. (Now the Trunk amplifier will receive alternative power from the optical mode via the DPS).

Troubleshooting and repair:

The Power Booster is over current & short circuit protected.

If the Power Booster malfunctioning, the following tests should be done:

Disconnect the output coax and measure input & output voltage, if after 30 seconds the output voltage is not, the unit should be replaced.

If after the 30 seconds of start delay, the output voltage is as expected by specification, the network should be tested for short circuit or over-current.

Safety information:

Disconnect power from coaxial cable or electricity cable before installation.

Make sure DPS is well strength to holding cable at aerial installation or bracket at in close cabinet.

No need to open the front cover during installation, and there is no testing point or tuning inside device.

Inspect the package if the unit was damaged, contact Safecom or the local distributor.

Return procedure

If the unit is not functioning please contact your local distributor or directly to Safecom support through the web site at

www.safecom.tv , support@safecom.tv .

Safecom support team will review the information from the field, support the customer with any relevant info or technical instructions and approve RMA as needed.