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Passive optical receiver, with WDM 1310/1490/1550nm

Passive receiver that captures an optical signal on a single fiber (1310/1490/1550nm), and demultiplexes it (WDM). The TV signal (1550nm) is converted to an RF output (54-2400MHz), while the 1310/1490nm wavelengths are destined to data signals (GPON) to distribute them through its optical port.

Ideal for applications FTTH/FTTR and as a RF Overlay receiver in GPON networks.

| | |
|---------------------|---------------|
| Ref. | 237330 |
| Logical ref. | UOU1550 |
| EAN13 | 8424450213711 |

Packing

| | |
|------------|--------|
| Box | 1 pcs. |
|------------|--------|

Physical data

| | |
|----------------------------|-----------|
| Net weight | 100.00 g |
| Gross weight | 110.00 g |
| Width | 119.00 mm |
| Height | 107.00 mm |
| Depth | 33.00 mm |
| Main product weight | 100.00 g |

Highlights

- Stable RF signal output level

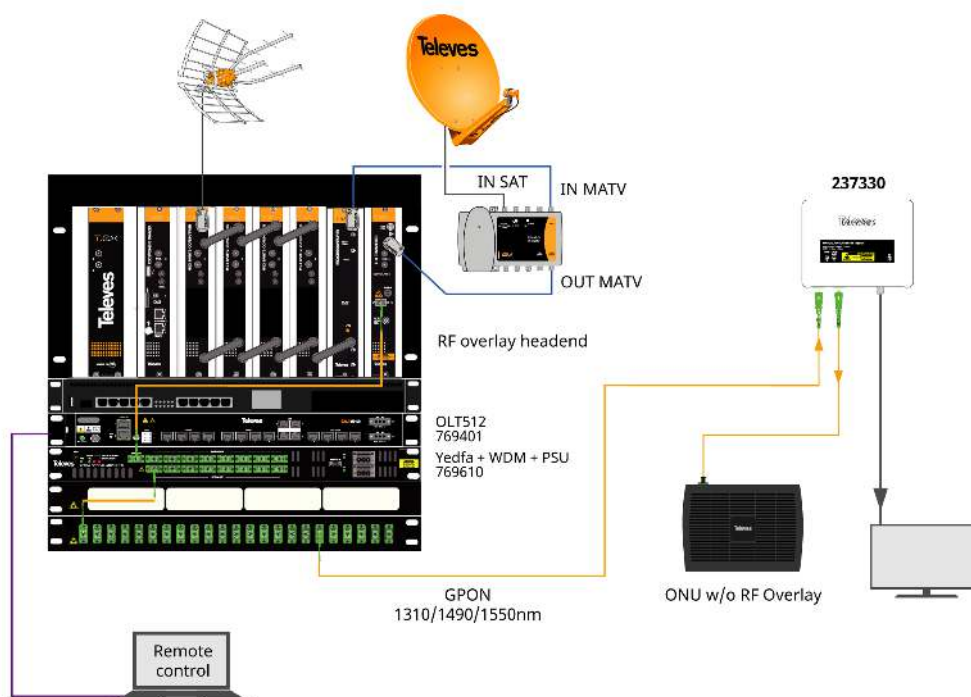
- DIN rail or wall installation
- Compact and resistant ABS plastic case, white colour (RAL 9003)

Main features

- SC/APC optical connectors
- F-type RF connector

Application example

Due to its characteristics, its usefulness as a complement to ONT/ONU modules without RF output.

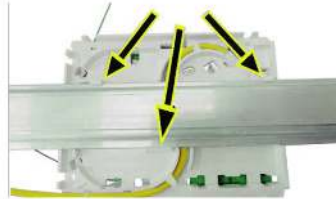


Mounting details

The device has two fixing ways:

- Wall: using the supplied screws
- DIN rail: to use the DIN type anchor, you must remove the pre-cut tabs that holds the cover

Once affixed the device, you must insert the cover above the base and screw it. Afterwards, you will be able to put the definitive identifying label, as well as the protector plastic of the same. On the label, there is a location available for identifying the device or point to which it provides service.



Technical specifications

| | | |
|---|------|---|
| RF Output | | |
| RF connector | | F-Female |
| Bandwidth | MHz | 54 - 2400 |
| Impedance | Ohm | 75 |
| Flatness | dB | ± 2 |
| Output level | dBμV | 58 (DTT) |
| | | 49 (SAT) |
| Optical input/output | | |
| Number of ports | | 1 COM bidirectional 1 GPON bidirectional |
| Wavelength | nm | 1310 & 1490 <> GPON 1310 & 1490 <> COM 1550 < COM |
| Maximum optical input power | dBm | +2 |
| Minimum optical input power recommended | dBm | -5 |
| Optical return losses | dB | > 40 |
| Optical connectors | | SC/APC |
| Type of optical device | | InGaAs pin photodiode |
| General | | |
| Operating temperature | °C | -5 ... +45 |
| Protection index | | IP30 |