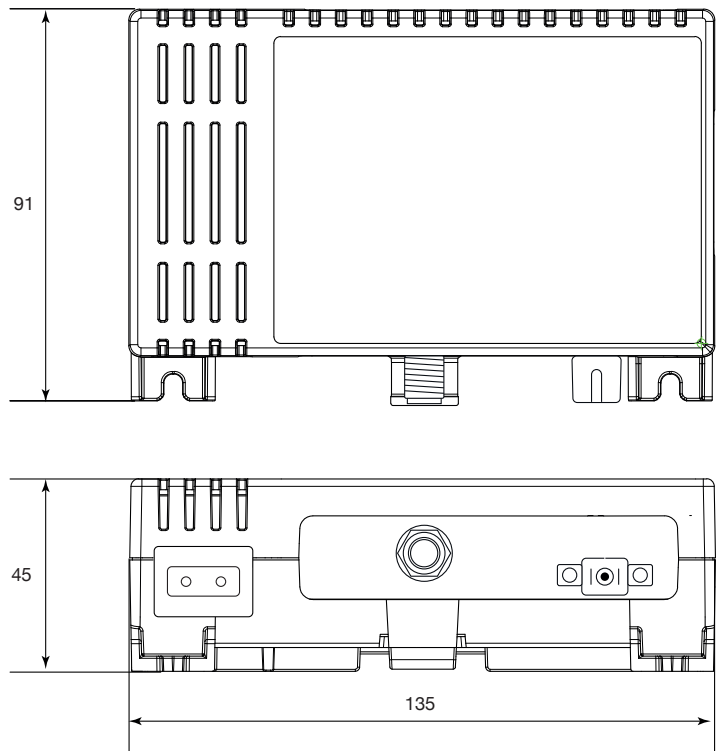


ECO FOR 100

TV terrestrial optical receiver

- Self power source 230V
- Up to 64 PON
- Wall mounting and DIN rail



Rel. 1.0

OPTICAL RECEIVER		ECO FOR 100
OPTICAL INPUT	n°	1
RF OUTPUT	n°	1
OPTICAL		
OPERATION WAVELENGTH	nm	1550
INPUT POWER RANGE	dBm	-14... 0
INPUT CONNECTOR TYPE		SC/APC
TV TERRESTRIAL		
OUTPUT BANDWIDTH	MHz	80... 790
LEVEL ADJUSTER RANGE	dB	0... -20
MAX TOTAL OUTPUT LEVEL	dBμV	105
OTHERS		
ISOLATION TV TERR./SATELLITE	dB	≥40
OUTPUT RETURN LOSS	dB	>10
OPERATING VOLTAGE	VAC	100... 230
MAXIMUM CONSUMPTION	W	3
DIMENSIONS	mm	135x91x45
OPERATING TEMPERATURE	°C	0... +50

DESCRIPTION OF SYMBOLS AND ELECTRICAL SAFETY	
	The equipment complies with the CE requirements
	The equipment is designed for indoor use only
	Equipment grounding terminal
	This symbol indicates that the equipment complies with the class II equipment safety requirements
	To avoid the risk of electric shock, do not open the equipment.
	The equipment is compliant with RoHS 2011/65EU
	Dispose according to local authorities recycling processes

Safety instructions

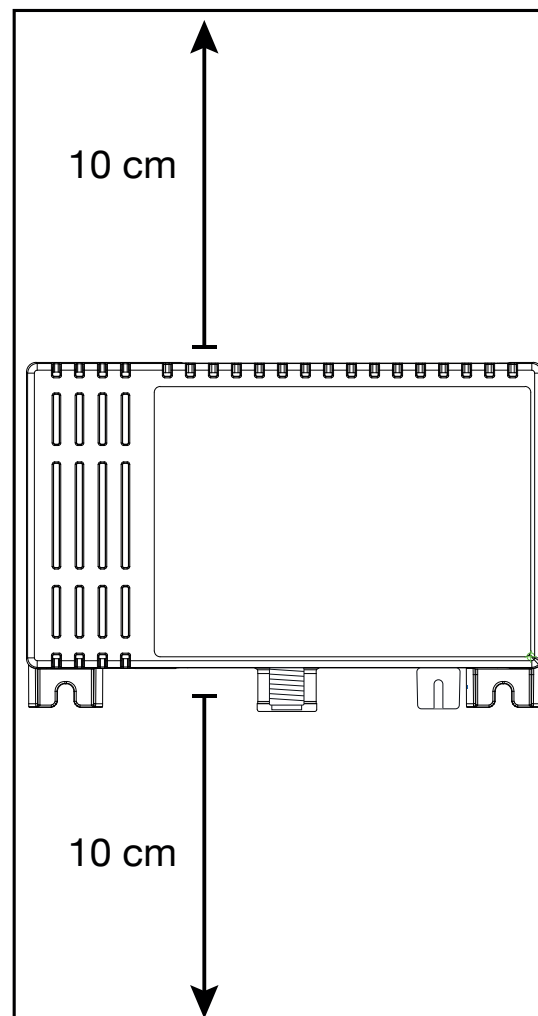
1. Read carefully these instructions
2. Keep these instructions
3. Heed all warnings
4. Follow all instructions
5. Do not expose this apparatus to extreme temperatures
6. Do not install this apparatus near water or expose to rain and moisture
7. Place the apparatus in a dry and well-aired location
8. Install the unit on a horizontal or vertical wall
9. Connect the power adapter cord to a detachable power supply socket
10. Unplug the apparatus during lighting storms or when unused for long time
11. Only use accessories specified by the manufacturer
12. Do not remove the cover without disconnecting from the mains first
13. Room temperature should not be lower than 0°C and higher than 50°C
14. Please allow air circulation around the apparatus



Installation warnings

- In order to avoid any fire or electrocution risk do not expose the products to rain or moisture.
- The products must not come into contact with water or be wet by liquids.
- Do not place the products next to heat source or moisture..
- In case of closet or waterproof cabinet installation provide for a proper ventilation and minimum distance observation (see below drawing).
- Set the mains connection according to the regulations in force of the installation country and in order to be easily disconnected.
- Any SC/APC optical output connector cleaning operations must be carried out with turned off device

Recommended distance



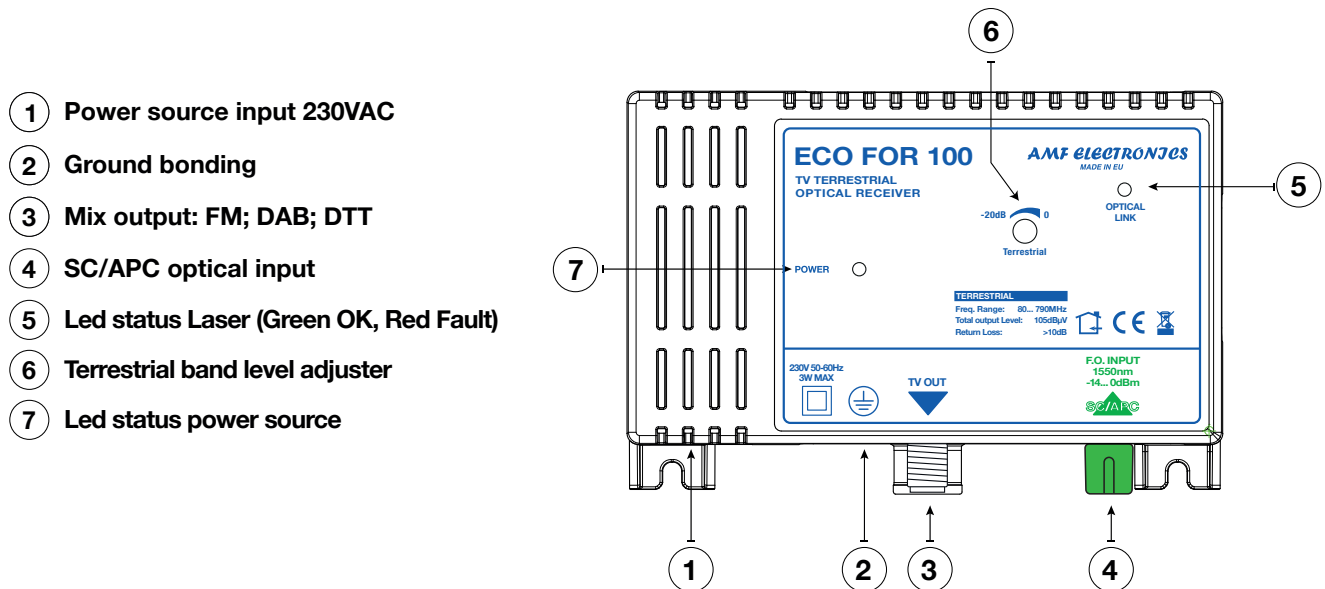
ECO FOR 100 Description

Packaging content

01 Optical ECO FOR 100 receiver

01 Power cord cable

01 Installation manual



The optical receiver **ECO FOR 100** allows the conversion from optical to electric of the terrestrial television signals (DVB-T/T2; FM E DAB) over a single-mode fibre optical cable.

Optical Link

Off= no optical link

Green= optical link

Terrestrial TV Setup

Set the input power range on **ECO FOT 07** transmitter following the tablets below.

Number or Optical points	Optical Attenuation	ECO FOT 07 Transmitter terrestrial input level (single MUX)	ECO FOR 100 max. Terrestrial output level (single Mux)
4	- 7	70 dBµV	90 dBµV
8	- 10	73 dBµV	90 dBµV
16	-13,5	76 dBµV	90 dBµV
32	- 17	82 dBµV	90 dBµV
64	- 21	87 dBµV	86 dBµV

With 32 DVB-T/T2 MUX

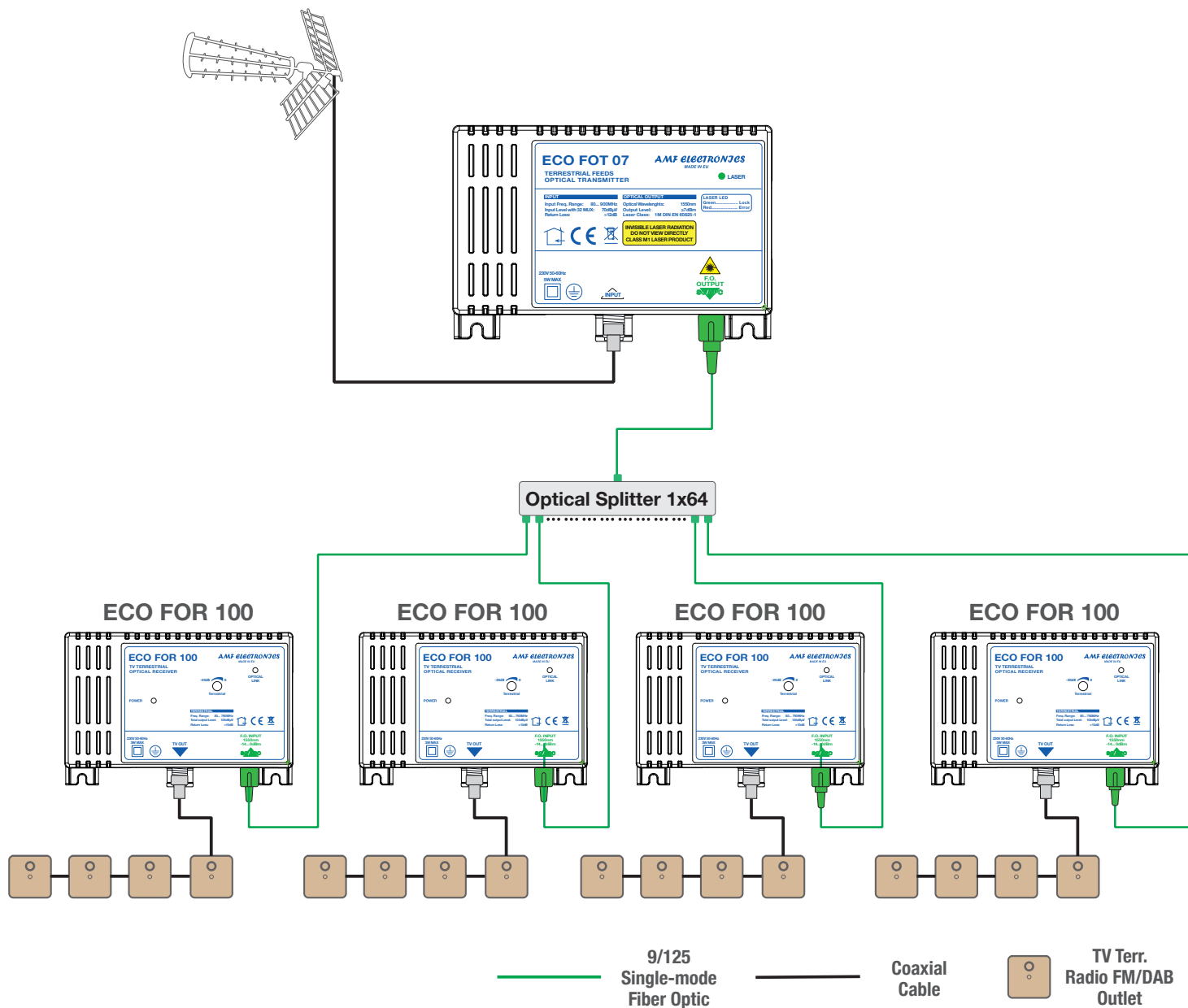
Number or Optical points	Optical Attenuation	ECO FOT 07 Transmitter terrestrial input level (single MUX)	ECO FOR 100 max. output level (single Mux)
4	- 7	73 dBµV	93 dBµV
8	- 10	76 dBµV	93 dBµV
16	- 13,5	79 dBµV	93 dBµV
32	- 17	85 dBµV	93 dBµV
64	- 21	90 dBµV	90 dBµV

With 16 DVB-T/T2 MUX

Number or Optical points	Optical Attenuation	ECO FOT 07 Transmitter terrestrial input level (single MUX)	ECO FOR 100 max. output level (single Mux)
4	- 7	76 dBµV	96 dBµV
8	- 10	79 dBµV	96 dBµV
16	- 13,5	82 dBµV	96 dBµV
32	- 17	88 dBµV	96 dBµV
64	- 21	90 dBµV	90 dBµV

With 8 DVB-T/T2 MUX

Note: FM and DAB signal level must be at least 10dB lower than the DTT signal



Distribution of terrestrial feed (DTT; FM; DAB) over a single-mode optical fibre.

Label with serial and tracking data

AA1000015019-X1020L

AA	100001	5	0	1	9	-X	1	0	2	0	L
Model		Serial #			Manuf. Week	Manuf. Year	HW Rel.		FW Rel.		