



**THERMOCOVERS  
FOR TRANSCIVER  
DISHES**

# THERMOCOVERS FOR TRANSCEIVER DISHES



## APPLICATION

In climate conditions with temperatures below zero, satellite antennas are affected by snow deposits and ice formations with negative consequences in the reception and subject to malfunctioning. The application of the Thermal Technology thermocover eliminates these problems by maintaining always clean, both the reception surface and the feed, the latter thanks to a flexible, 500 mm heating tape with velcro fixing.

## NO HARMFUL ELECTROMAGNETIC EMISSIONS

## FUNCTIONAL FEATURES

The mounting is very quick, by positioning the thermocover on the back of the dish and securing it with the fixing system consisting of self threading screws and anchoring rings with velcro tension devices. The thermocover has a concave shape for an uniform and tight contact to the dish surface.

## CARBON FIBER

Carbon fiber is flexible, does not oxidize, does not produce harmful electromagnetic fields during electricity flow, has no dimensional variations, as the temperature changes, or deterioration of ohmic values. No wearing and no maintenance necessary. Its high resistivity permits significant energy savings.



THERMOCOVER INTERNAL VIEW



THERMOCOVER INSTALLED ON THE DISH



DETAIL OF THE FLEXIBLE TAPE FOR THE FEED

## CUSTOM PROJECT

The thermocover is custom designed and constructed according to the technical specifications of the dish.

## MATERIALS STRATIFICATION

Starting from the external side:

- Polyester with PVC, coupled to a thermoteflon insulator.
- Resistors in Carbon Fiber on aluminium sheet.
- Reflecting layer in red nylon coupled to an aluminium sheet.
- Velcro fixing and rigid bar in PVC inserted in polyester tunnel.

## TEMPERATURE CONTROL

Temperature control by bimetallic thermostat with 10 C-40 C range.

MODEL	FEED VOLTAGE	POWER	PROTECTION DEGREE	TEMPERATURE CONTROL	CABLE AND CONNECTORS	DIMENSIONE
TI_ANT_TRA	230 Vac 50/60 Hz	500 W/m <sup>2</sup>	IP67	Temperature control by bimetallic thermostat with 10 C-40 C range	H07 RNF 3G cable IP68 connectors	custom project

TESTS FOR THERMAL PERFORMANCE AT -18 C OUTDOOR TEMPERATURE ARE AVAILABLE UPON REQUEST

CONFORMITY



This product is manufactured in conformity with the electrical safety standards set by Low Voltage Directive 2014/35/EU. This product is in conformity with Electromagnetic Compatibility Directive 2014/30/EU, concerning the standards for electromagnetic emissions.

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