



# TMB-252

# TMBFI-252

Communication card for  
addressable control panels CAD-  
250 series with network topology  
T-Network

## Description

---

The communication card TMB-252 has different output ports for the following functions:

- 1 x RS-232 for serial printer connection
- 1 x RS-485 for the addressable control panels network (T-Network) <sup>(1)</sup>
- 2 x RS-485 for integrations with third parties, through the Modbus protocol

The network of addressable control panels and repeaters can be ring or bus, with a maximum of 64 nodes.

Maximum distance between two nodes:

- TMB-252: 1 km (Copper)
- TMBFI-252: 1 km (multimode fiber)

It incorporates an electrical isolation circuit between nodes, which allows to amplify the transmission of the network signal, being able to reach long distances in the first node of the network and the last one.

For example, if we had a network of 5 nodes, the maximum total distance of the network would be 5 km.

The TMB-252 network card adds the Modbus functionality to the addressable control panels CAD-250 series, allowing remote control of the main functions of these devices.

(1) T-Network only supports cards of model TMB-252 and TMBF-252

## Technical features

T-Network topology features	
Maximum nodes in the network:	64
Maximum distance between nodes:	1 km (TMB-252) 1 km (TMBFI-252)
Operating mode:	Peer to peer
Connections	
	2 x 1,5 mm <sup>2</sup> twisted and shielded cable (TMB-252) Multimode fiber optics (TMBFI-252)
Environment	
Operating temperature:	From -5°C to +40°C
Relative humidity:	95% without condensation