



TMB-252

TMBFI-252

Communication card for
addressable control panels
CAD250 series with network

Description

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

1 x RS-232 for serial printer connection

2 x RS-485 for the addressable control panels network (T-Network) (1)

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.

(1) T-Network only supports cards of model TMB-252 and TMBFI-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
Wiring		
	2 x 1,5 mm² 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

* For distances greater than 1 km (up to 10-25 km), an external RS-485 to single-mode fibre converter must be used.