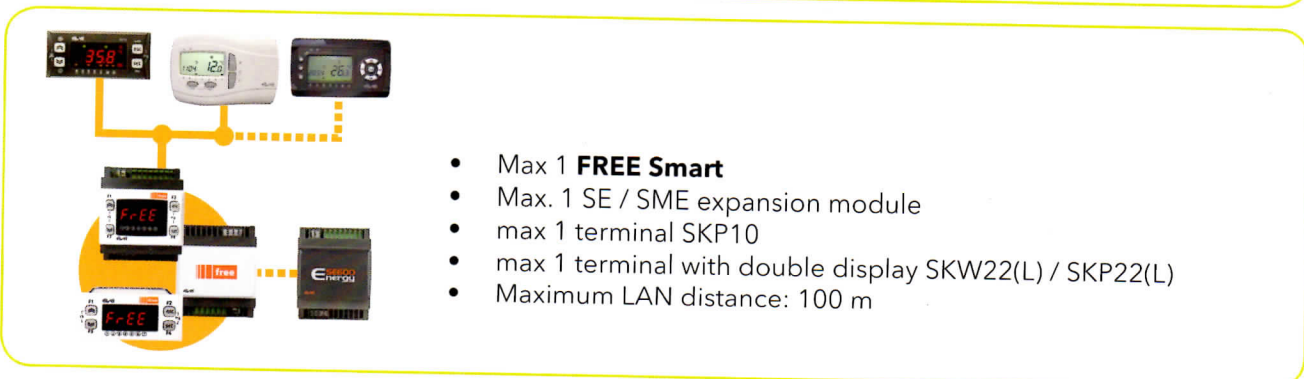
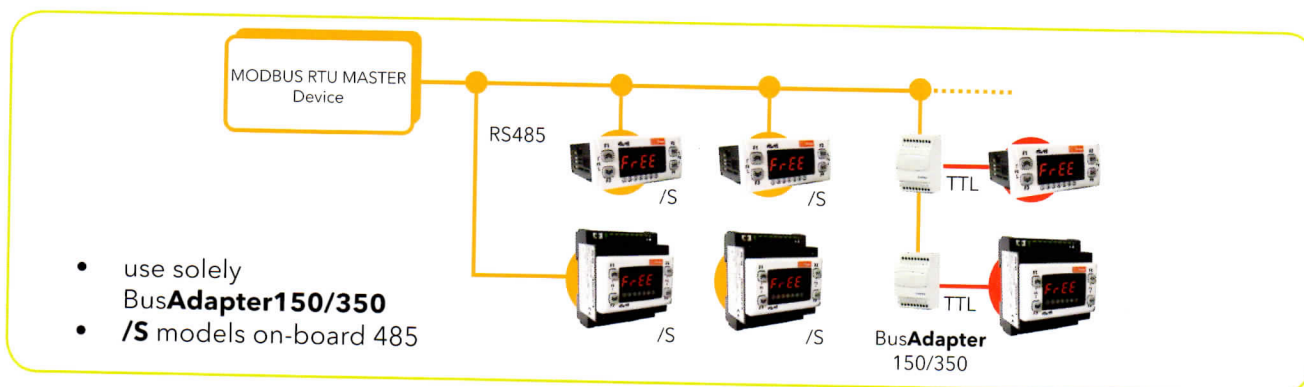


FREE Smart Connectivity

All **FREE Smart** models are equipped with a TTL serial port connection which offers easy integration with the devices used to monitor the system in which they are installed. ModBus standard protocol makes it possible to access all the controller resources, thereby guaranteeing complete system control. **/S** models have an integrated RS485 serial port.

Every model featuring the **FREE** platform can be connected to an SE / SME expansion module via the LAN serial port, and to

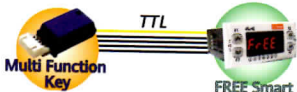
- SKP10 and/or SKP22(L) terminal for viewing the menu on the on-board display
- 1 SKW22(L) terminal for viewing the menu on a double display remotely in a room (office, home) with the option of monitoring the temperature of the room



FREE Smart Update Function

The Multi Function Key (MFK 100) can be used to upload and download the parameter map for rapid configuration, to upload the IEC application and the BIOS.

Multi Function Key / DMI		
PC →	← FREE	
		
use the blue TTL cable for DMI - MFK connection		
Data downloading direction	→	←
Parameter map	-	-
IEC application	✓	-
BIOS	✓	-

Multi Function Key		
MFK →	← FREE	
		
use the yellow TTL cable for MFK - target connection		
Data downloading direction	→	←
Parameter map	✓	✓
IEC application	✓	-
BIOS	✓	-

Network		
PC →	← FREE	
		
use the yellow TTL cable for DMI - target connection		
Data downloading direction	→	←
Parameter map	✓	✓
IEC application	✓	-
BIOS	✓	-