

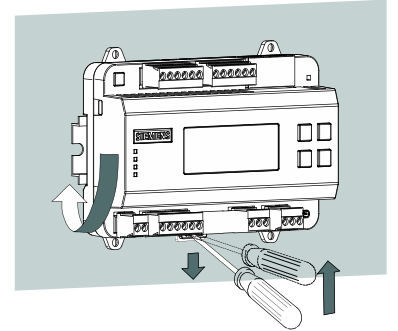
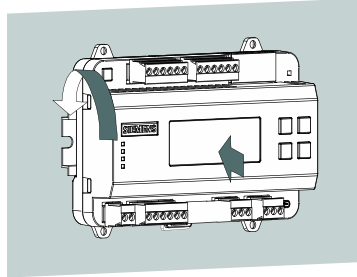
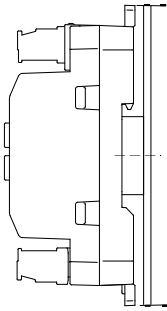
ELC.E12D

Mounting:

DIN rail mounting:

Rail specification:

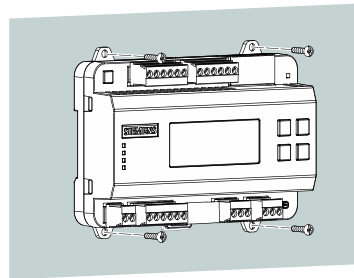
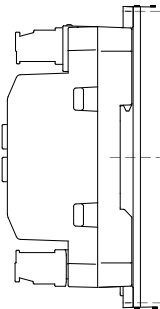
- TH 35-7.5
- TH 35-15
- Per EN60715



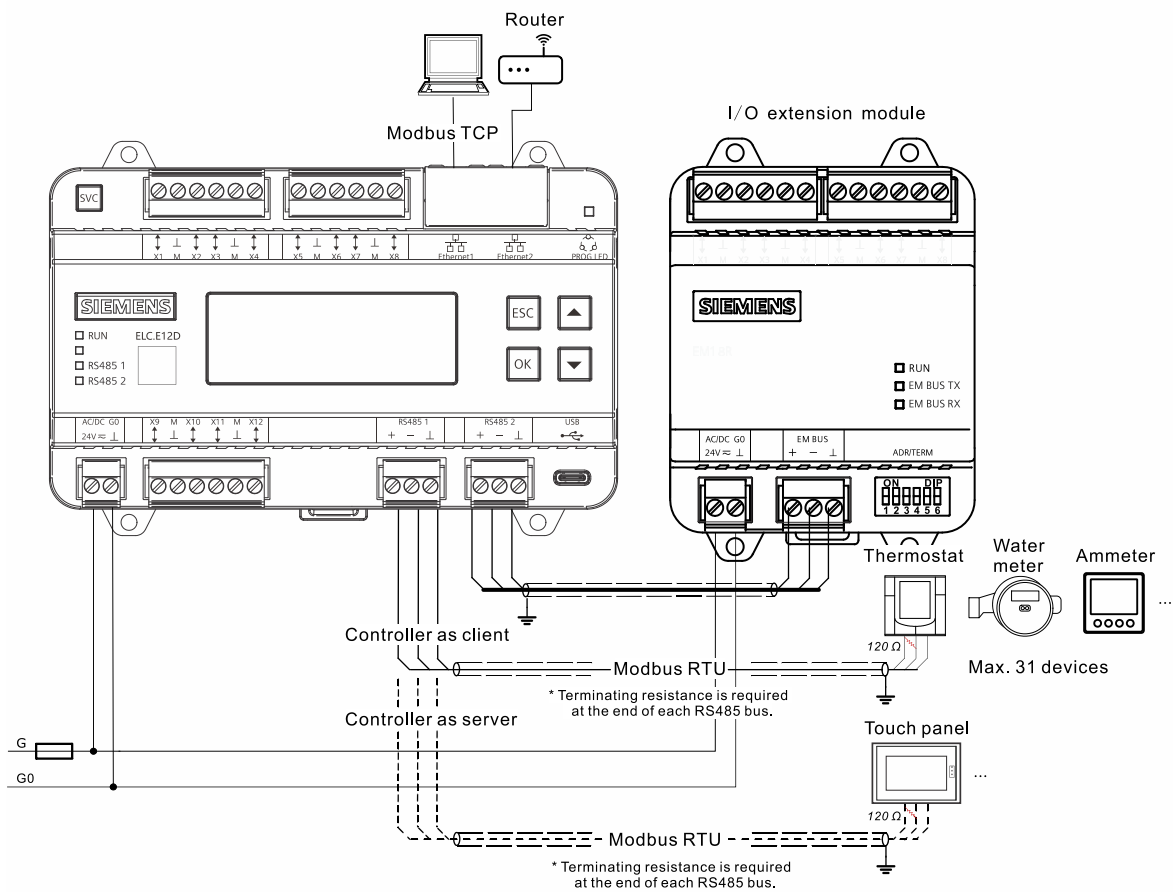
Fixed screw mounting:

Screw specification:

- Fillister head sheet metal screw with cross top ST 4.2
- Tightening torque: 2.5 Nm



Wiring diagram:



Note: See the **Technical data** section in the [data sheet](#) for information about wiring of each IO port.



- When wiring the system, separate the high voltage strictly from the AC 24 V safety extra low-voltage (SELV) to protect against electric shock.
- When multiple controllers are connected to one power source, wrong wiring of AC/DC 24 V and M may lead to permanent damage or destruction of the controllers and power supply.
- The controller is an SELV device and does not support direct connection to AC 230 V devices. The connection between the controller and any AC 230 V device must be made via an intermediate relay.
- The digital output must be connected to relays with double insulation to protect against electric shock.
- Interconnecting devices with different reference potentials may generate unnecessary current, which may lead to communication error or device damage.
- Ensure that all the communication devices have the same reference potential or are insulated to avoid unnecessary current.
- Insulation devices need to be added for network stability and protection of communication interface.
- Dynamically adjust the fuse size and power supply according to system requirements.

Simulation and commissioning

1. Download and install Microsoft VS Code from the Microsoft website (versions 1.93...1.100 are recommended).
2. Search for "desigo-elc-studio-user" in the Microsoft VS Code app store. Plug-in with the name "Desigo Essentials ELC Studio" and publisher "BSCEAUT" appears as the search result. **Note:** In case of fuzzy search, locate the plug-in with name and publisher the same as above if there are many search results.
3. Click "Install".
4. In the Logic Manager programming tool, create the project and device, configure terminals and ports, edit the logic control program and then compile the configuration and programming files.
5. Download the control program via Ethernet.
6. Simulate and commission the controller.

For more information on features of the controller and the installation and use of the Logic Manager programming tool, see the [data sheet](#) and [Logic Manager programming tool operation manual](#).

Dimensions (in mm):

