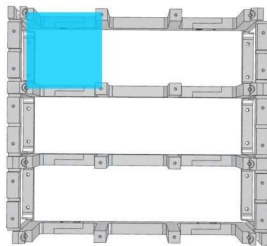


## TEC Controller for cooling & heating plates and other peltier cooled devices **M1TC2012 (12A / 20V)**



Product Nr.: M1TC2012



space used in grid

- Input voltage: 15 – 36 V
- Output voltage: 0 – 20 V (bipolar, max 75% of input voltage)
- Output current: 0 – 12 A (user defined limit)
- High temperature stability (typ. 0.002 K)
- Efficiency up to 93 %
- Cold- and hot-side temperature measurement for overheating protection
- Dynamic air cooled electronics, no heat sink needed
- Connectors for peltier element and NTC 10 kOhm temperature sensors
- Fully daisy chainable:
  - 2 x power connectors
  - 2 x isolated RS485 connectors
  - unique device address
- ASCII command set (SCPI\* structure)
- LED indicators for power/warning/error (can be disabled)
- Size 62.5 mm x 62.5 mm (1 x 1 grid unit)
- Demo files for LabVIEW™ & Matlab™ on request
- Converters available for Ethernet or USB
- Compatible with temperature plates **M2TPA25**, **M4TPA50**, **M1TPW75** & **M2TPW150**

\*Standard Commands for Programmable Instruments

disclaimer: <https://8photonics.com/disclaimer>