



Steca TA 0403

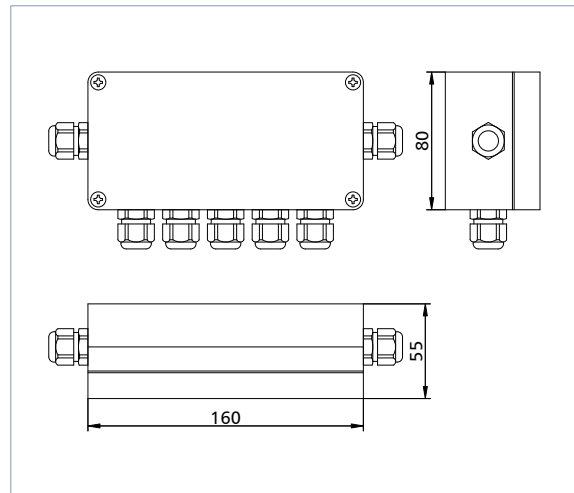
4 inputs,
2 outputs

The Steca TA 0403 expansion module, with freely programmable functions and extra inputs/outputs, was specially developed to extend the range of applications of our Steca TR 0704 system controller.

The Steca TA 0403 module has four sensor inputs and three outputs. Steca TR 0704 system controller provides the control signals and power supply via the Steca IS bus. All functions and control parameters of the Steca TA 0403 can be set with the user-friendly menu of the system controller. Up to four Steca TA 0403 modules can be operated by a single Steca TR 0704 system controller via the IS data bus. The operator of the solar energy system then has the possibility of realising individual systems with up to 23 inputs and 16 outputs. Existing systems can be extended at any time through the use of extra Steca TA 0403 modules in conjunction with a Steca TR 0704 system controller.

Product features

- Steca IS bus networking with the Steca TR 0704 allows the realisation of individual systems with up to 23 inputs and 16 outputs
- Measurement values shown on the Steca TR 0704 graphical LCD display
- User-friendly programming of the inputs / outputs by using the Steca TR 0704 menu system
- The Steca TR 0704 provides control signals and voltage supply via the Steca IS bus
- Spring clamp terminals allow rapid and easy installation
- IP 65 jet waterproof casing



	TA 0403
System voltage	230 V (± 15 %), 50 Hz optional 115 V (± 15 %), 60 Hz
Own consumption	≤ 1.5 W
Inputs	4 4 x temperature (Pt1000) or pulse
Outputs	3 1 x triac for speed control (R1), max. 200 W (230 V) 2 x switch output relay (R2, R3), max. 800 W (230 V)
Ambient temperature	0 °C ... +45 °C
Interfaces	IS bus
Degree of protection	IP 65 / DIN 40050 / EN 60529
Dimensions (X x Y x Z)	160 x 80 x 55 mm
Weight	350 g

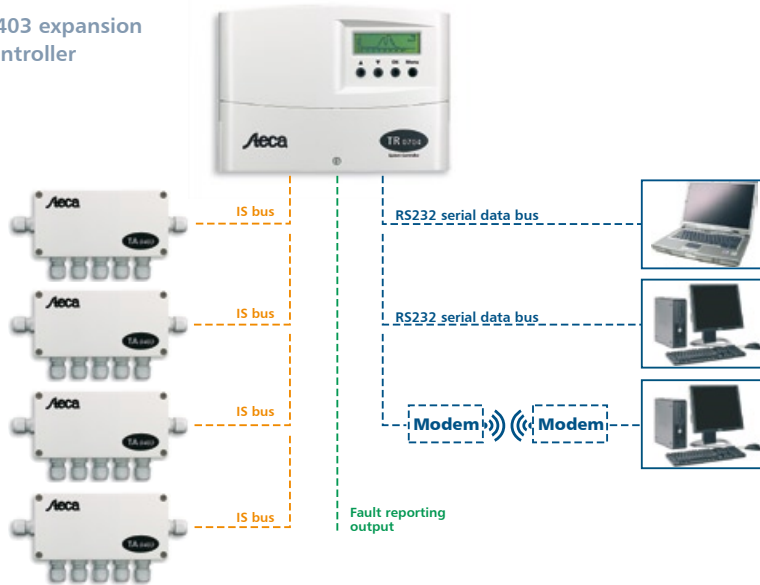
Technical data at 25 °C / 77 °F

[inputs/outputs]





Application functions of the Steca TA 0403 expansion module with the Steca TR 0704 solar controller (schematic representation):



Data recording and visualisation of measurement data

All measured values recorded from the TA 0403 expansion module(s) can also be graphically represented on the Steca TR 0704 system controller display. A generously dimensioned data storage system allows the measured values from the last 15 days to be displayed in the form of a graphical curve. The running times of the pumps over the last 15 days, or even the last 13 months, can also be graphically displayed for analysis. The irradiation, output and flow values can also be displayed over the following periods: 15 days, 13 months, the last 5 years, and a 5 year total overview.

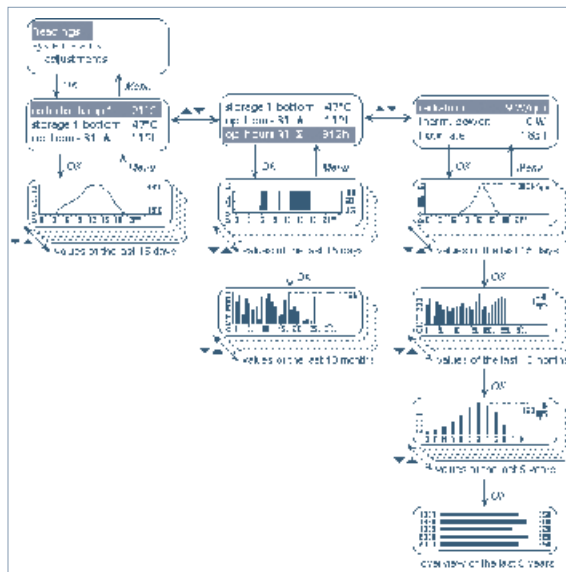


Fig 2: Data logger graphics and the menu structure of the Steca TR 0704 controller