



# Southern Technology Ltd

Providing Solutions

## ST2100 Interface PLC Outline Product Specification



### FEATURES:

- 8-36v DC Supply Voltage
- Two Relay Outputs
- Two RS232 Serial Ports
- Two PNP Digital Inputs
- PC Configuration Tool via USB \*1
- Field Upgradeable Firmware \*2
- Compact DIN Rail Housing
- Optional Real Time Clock
- Optional Module-Module Bus
- Optional ModbusRTU Support

\*1 Downloadable from [www.southerntech.co.nz/st2100](http://www.southerntech.co.nz/st2100)

\*2 Contact Southern Technology regarding custom or modified firmware for unique applications.

The ST2100 PLC provides a programmable interface between the Pepperl-Fuchs OMD8000-R2100-R2-2V15 and automation control logic.



### SPECIFICATION

Product name	ST2100
Operating Voltage	8-36vDC
Operating Current	60mA @ 8vDC
Ripple Voltage	+/- 10% within the supply tolerance
Working Temperature	-10°C to 55°C
Enclosure Rating	IP20
Relay Voltage Ratings	220vDC, 230vAC
Relay Current Ratings	1A DC, 62VA
Input Ratings	4mA @ 8vDC / 15mA @ 36vDC
COM1 RS232 Interface	P+F R2100 115k, 8N1
COM2 RS232 Interface	Disabled by default
USB Interface	USB 2.0
Cooling	Passive Ventilation
Dimensions (LxWxD)	11.3cm x 10cm x 2.2cm

### TERMINALS

1	Supply / 8-36 vDC	9	n/c
2	Ground / 0 vDC	10	Relay 1 NC
3	Input 1 (PNP)	11	Relay 1 NO
4	Input 2 (PNP)	12	Relay 1 COM
5	COM1 RX	13	n/c
6	COM1 TX	14	Relay 2 NC
7	COM2 RX	15	Relay 2 NO
8	COM2 TX	16	Relay 2 COM

*Exceeding absolute maximum ratings may cause permanent damage and may reduce reliability. Information and specifications contained in this data sheet are believed to be correct at the time of publication. However, Southern Technology Ltd accept no responsibility for consequences arising from printing errors or inaccuracies. Specifications are subject to change without notice.*