



RRP1



T1R



SC1

The **Electro 11 pin** plug-in range of control and timing devices are to be installed into a standard 11 pin base making installation easy and convenient.

- Compact DIN rail mounting: (H) 80 x (W) 35 x (D) 79 mm (3 modules wide)

type	supply voltage*	time range	function	description
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Two hand control (safety control)

THC1 two hand control designed as a safety device for machines where operator is forced to operate two pushbuttons within 0.5 secs to operate machines. A latch facility is provided for use with a foot switch.

THC1230A	230 VAC	–	control	two hand controller
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Flip flop relays

Flip flop relays to control many applications such as spreading work load and controlling conveyor direction. F30 combines the discontinued F10 and F23 function. F30 in the mains controlled function has to be energised for at least 30 seconds before the supply is removed.

F12230A	230 VAC	–	relay	pulse controlled without memory
F30230A	230 VAC	–	relay	mains or pulse controlled with memory
F30024AD	24 VACDC	–	relay	mains or pulse controlled with memory

Alarm module (3 circuits)

Alarm module to control alarm signals and generate the appropriate output for simple annunciator panels. Control of alarm outputs from 3 separate N/O inputs. The system can be expanded by bridging all common terminals of the modules.

GAM3012D	12 VDC	–	alarm	control alarm signals
GAM3024D	24 VDC	–	alarm	control alarm signals

Power supply

Provides a regulated DC output from an AC input source.

- Supply: 230 VAC
- Output: 24 VDC (1A)

PSU	230 VAC - 24 VDC	24VA	power supply	overload/short circuit protection
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Tachometer relay multi-range (for ON and OFF ranges)

Multi-function tachometer relay with four selectable speeds. The unit can be selected for OVER and UNDER speeds and interfaces directly with a Namur two wire proximity sensor or limit switch. Relay remains energised for as long as detected speed remains within the pre-set limits.

- Selectable speeds(RPM): 1-10, 10-100, 100-1000, 1000-10000

RRP1024AD	24V AC\DC	–	relay	over/under speed
RRP1110A	110 VAC	–	relay	over/under speed
RRP1230A	230 VAC	–	relay	over/under speed
RRP1012D	12 VDC	–	relay	over/under speed

Temperature relay (direct conn. to PT100)

Directly interface with conventional PT100 (3 wire) sensors, the relay energises and remains so until pre-set maximum temperature limit is reached.

- Standard temperature : -20° - 80°C
- Ranges: 80°-180°C

T1R/180S110A	110 VAC	180s	relay	temperature controller
T1R/180S230A	230 VAC	180s	relay	temperature controller

Converters / Isolators

Compact signal converter with built-in 24 VDC power supply for the output. The unit is designed for low amplitude signals where isolation is not needed. (Use SI100 for isolation).

type	supply voltage*	input signal	output signal	description
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SC120A111230A	230 VAC	0 - 1A	4 - 20mA	current converter
SC120A211110A	110 VAC	0 - 5A	4 - 20mA	current converter
SC120A211230A	230 VAC	0 - 5A	4 - 20mA	current converter
SI1201011230A	230 VAC	0 - 10 VDC	4 - 20mA	signal converter
SI1201011024D	24 VDC	0 - 10 VDC	4 - 20mA	signal converter
SI1200711230A	230 VAC	4 - 20mA	4 - 20mA	signal converter
SI1201014230A	230 VAC	0 - 10 VDC	0 - 10 VDC	signal converter

Note: Alternative SC120A..../SI120.. input and output combinations available on request only.
 * Other voltage options available on request.