



THC1



RRP1



SC120A

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.

type	function	contact
------	----------	---------

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 machine. A latch facility is provided for use with a foot switch.

THC1*	two hand controller	10A SPDT
--------------	---------------------	----------

Namur sensor relay

The Namur relay converts the changing current of a sensor into a relay output. Ideal for intrinsically safe applications. Can be configured to energise when sensor is activated, providing fail-safe operation in all applications or de-activate.

M1S*	target/space sensing relay	10A SPDT
-------------	----------------------------	----------

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.

F12*	pulse controlled without memory	8A SPDT
F30*	pulsed controlled with memory or mains controlled	8A SPDT

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.

GAM3	control alarm signals	12 / 24 VDC	4 x 5A SPDT
-------------	-----------------------	-------------	-------------

Power supply

Provides a regulated DC output from an AC input source.

PSU	overload/short circuit protection	2VA	-
PSU/10	overload/short circuit protection	24VA	-

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

RRP1*	over/under speed	10A SPDT
--------------	------------------	----------

Temperature relay

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*	temperature controller	direct conn to PT100	10A SPDT
-------------	------------------------	----------------------	----------

* Voltage: 12 VAC, 24 VAC, 48 VAC, 110 VAC, 230 VAC, 400 VAC, 525 VAC
12 VDC, 24 VDC, 48 VDC (other voltages available on request)

Converters / isolators (12/24/48 AC/DC on special request)

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	input signal (▲)	output signal (◆)	description
SC120A▲◆*	0-1A 0-5A	1 2	current convertor
SC120V▲◆*	4-40V 40-400V	3 4	voltage convertor
SC100P▲◆*	0-50Hz max 20kHz	5 6	frequency convertor
SI120▲◆*	4-20mA 1-5 VDC 0-20mA 0-10 VDC	7 8 9 10	signal isolator

Note: Select input (▲) /output signal (◆), along with supply (*) when ordering a signal converter/isolator

* Voltage: 12 VAC, 24 VAC, 48 VAC, 110 VAC, 230 VAC, 400 VAC, 525 VAC
12 VDC, 24 VDC, 48 VDC (other voltages available on request)