



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 |
|------|-----------------|------------|----------|-------------|
|------|-----------------|------------|----------|-------------|

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 |
|-----------------|---------|---|---------|---------------------|

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 |
|------------|------------------|------|--------------|-----------------------------------|

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 / Isolaters

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 |
|----------------------|-----------------|--------------|---------------|-------------------|
| 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.