MultiCon CMC I/O modules

S8

operation,

MultiCon S16

Built-in outputs parameters in the PWM mode are:

- Name - read-only output name given by the device,

channel will be a data source for this built-in output,

input signal which will change the duty cycle of the output signal:

- Mode=PWM - this parameter allows the user to select method of the output

- Lower level and Upper level - by setting these parameters the range is

defined within which the change duty cycle of pulse depending on the source

signal; below this range the signal is zero (zero width, zero duty cycle) and

above this range the signal is completely filled (fully on of the cycle period),

- Alarm level - when the data source for the built-in output returns the Error

state or the range being exceeded: the low -Lo- state and high -Hi- state, the

Alarm level parameter for the PWM mode allows setting the duty cycle of the

output signal in time of an alarm state according to the parameters of Lower

- Timing parameter block - these parameters allow the user to set the timing

parameters of the output signal, discussed below in this chapter:

- Period - the duration of one cycle of output pulse,

- Minimum ON time - minimum duration of a high state,

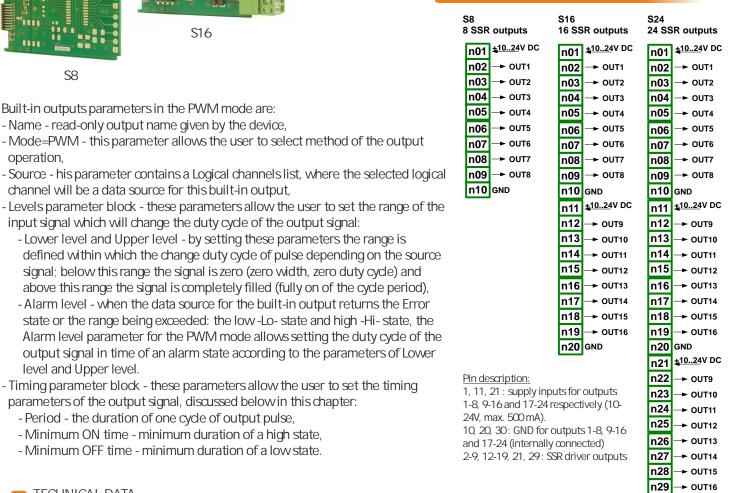
- Minimum OFF time - minimum duration of a low state.

Output modules - SSR

- S8: 8 x SSR outputs
- S16: 16 x SSR outputs
- S24: 24 x SSR outputs

These modules are equipped with 8, 16 or 24 SSR outputs. May be used to control executive device state in a simple on/off or PWM mode.

MODULE PIN ASSIGNMENT



TECHNICAL DATA

level and Upper level.

| | S8 | S16 | S24 |
|-----------------------------------|--|--|--|
| Number of outputs | 8 | 16 (in 2 groups with separate supply) | 24 (in 3 groups with separate supply) |
| Max. current source per output | powered internally: 10 mA, sum limited to 50 mA, powered externally: 100 mA, sum limited to 500 mA | powered internally: 10 mA, sum limited to 50 mA for a group, powered externally: 100 mA, sum limited to 500 mA for a group | powered internally: 10 mA, sum limited to 50 mA for a group, powered externally: 100 mA, sum limited to 500 mA for a group |
| Output method | relay modes or PWIM mode * | relay modes or PWIM mode * | relay modes or PWM mode * |
| Output High Level voltage | powered internally: 8V powered externally: (Vext 0.5V) | powered internally: 8V powered externally: (Vext 0.5V) | powered internally: 8V powered externally: (Vext 0.5V) |
| Overload protection | powered internally: internal fuse 50 mA, powered externally: internal fuse 500 mA | powered internally: internal fuse 50 mA (per group), powered externally: internal fuse 500 mA (per group) | powered internally: internal fuse 50 mA (per group), powered externally: internal fuse 500 mA (per group) |
| External output supply | 30 V max. | 30 V max. | 30 V max. |
| Insulation strength | 1 min @ 500V AC | 1 min @ 500V AC | 1 min @ 500V AC |
| Weight | 32 g | 42 g | 69g |
| Part number | M99-S8-001 | M99-S16-001 | M141-S24-001 |

* CMC updates output state every 100 ms

n30 gnd