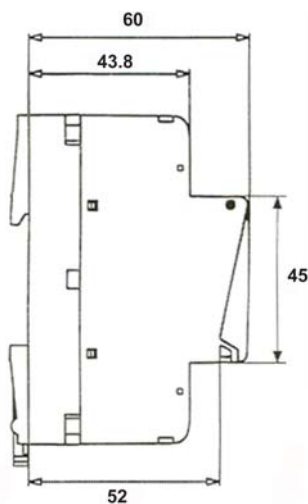


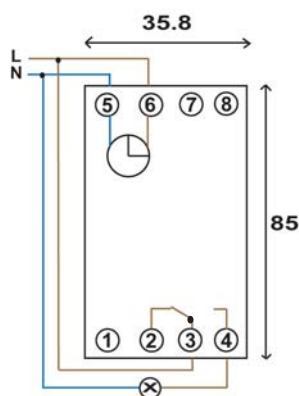


23141

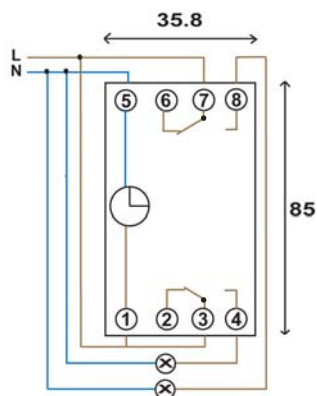
Dimensions & Electrical Connections



23141
23151



23142
23152
23162



Two Module

Single or Dual channel, electronic time switch for modular boards, with or without programming key

Features

- Very simple programming with a navigation button:
 - programming
 - display
 - time setting
- Modular case 2 modules, 5 keys.
- Connection by protected cage terminals
- 1 or 2 voltage free changeover contacts
- Pivoting transparent hood. Product locking function

Functional characteristics

Basic functions

- Weekly programming, 56 program steps total per product
- Product supplied with current time and date
- Programmable off circuit
- Automatic summer/winter time change
- Programming by day and group of days
- Power reserve: 5 years
- Permanent override, temporary override
- Bar graph display of daily profile
- Keyboard locking by key pressing or by key
- ON/OFF function

Extra functions on C and CS versions

- The C and CS are supplied with a programming key
- Programming by key and via the key by PC using an interface and software (ref: 23195)
- Permanent exemptions
- Program recopy/save functions

Specific functions on the CS versions (see table below)

Reference	Channels	Key Function	Supplied with prog. key	Prog. of pulses 1sec to 30 sec
23141 - 300 Basic	1	No	No	No
23151 - 300 C Basic	1	Yes	Yes	No
23142 - 300 Basic	2	No	No	No
23152 - 300 C Basic	2	Yes	Yes	No
23162 - 300 CS	2	Yes	Yes	Yes

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Email : enquiries@sangamo.co.uk Web: www.sangamo.co.uk

Data Sheet: DS0003_A

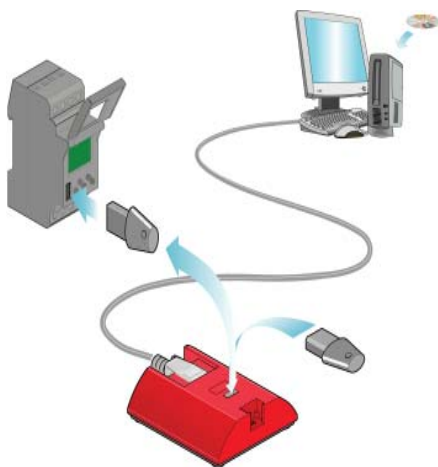


23141

Mounting



Interface & software for PC ref: 23195



Programming Key ref: 23193



Technical characteristic		
	23141-23151	23142-23152 & 23162
Supply voltage	230 V AC+/- 15%	
Frequency	50/60 Hz	
Consumpton at 50 Hz	6VA	
Outputs	Changeover contacts without potential	
Insulation between input and output	4kV	<4kV
<u>Max cutoff power</u>		
AC1	μ 16 A 250 V AC	
Cos φ = 0.6	μ 10 A 250 V AC	
Halogen lamps 230 V	2300W	
Incandescent lamps	2300W	
Compensated fluo tubes //(max 45 μF)	400W	
Non-compensated fluo tubes, compensated in series	1000W	
Compact fluo lamps	500W	
<u>Min cutoff power</u>		
AC1	100mA 250 V AC	
Programming capacity	56 steps	
Min time between 2 program steps	1 minutes	
Accuracy of operation	1 second per 24 hour	
Power reserve	Lithium battery with 5 years reserve	
Standby condition	Display OFF after 1 min. without voltage. Return to auto mode when voltage returns, or press button	
Protections index	IP20 - IK 3	
Operating temperature	-5 °C to 45 °C	
Storage temperature	-20 °C to 70 °C	
<u>Connection by cage terminals</u>		
Capacity flexible	1 to 6 mm ²	

Reference	Holiday Mode	Back-Lit Screen	Power Reserve	Voltage Free Changeover Contacts
23141 - 300 Basic	No	No	Lithium Battery	16 (10) A
23151 - 300 C Basic	No	No	Lithium Battery	16 (10) A
23142 - 300 Basic	No	No	Lithium Battery	16 (10) A
23152 - 300 C Basic	No	No	Lithium Battery	16 (10) A
23162 - 300 CS	Yes	Yes	Lithium Battery	16 (10) A

Reference	Accessories
23195	Interface and software for programming by PC
23193	Virgin programming key
143602	Compatible IP40 Enclosure

Performance indicated for an ambient temperature of 20 °C

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