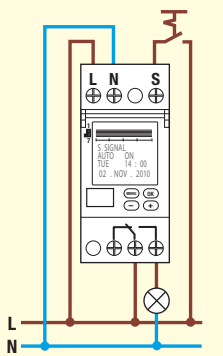
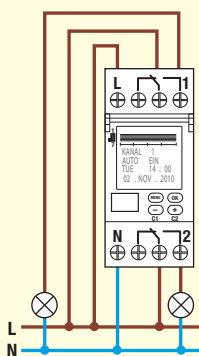


CONTROL MODULES – GENERAL



Resistive Loads	3600W
Incandescent/Halogen	1800W
E S/L V Fluorescent	100W
Motors	1800W
Mains Halogen	1800W
L V Halogen	2300W

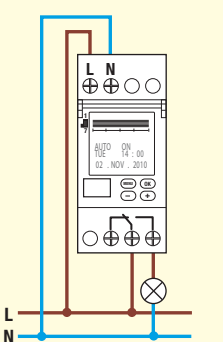
502/TD1	Technical Details
Supply Voltage	230V 50/60Hz
Power Consumption	ca. 1W
Relay Output	1 changeover contact 16A 250V ~ μ cos φ = 1
Parallel compensation	60VA max. 7 μ F
Accuracy	± 0.2 s/day under typical installation conditions
Wire cross-section	Single strand 1.5 - 4mm ² Multi strand 1.5 - 2.5mm ²
Programs	28
Geographical co-ordinates	Resolution 1°
Control Cable length	Max. 20m
Control Signal	230VAC/ca. 2mA 120VAC/ca. 2mA 24VAC/ca. 2mA
Control-pulse duration	> 100ms
Delay time	0 min-23h 59 min
Battery Reserve	6 Years
Storage Temp.	-20°C to +60°C
Operating Temp.	-20°C to +55°C



Incandescent/Halogen	1800W
Mains Halogen	1800W
L V Halogen	2300W
E S Lamps	100W

402/TD2	Technical Details
Supply Voltage	230V 50/60Hz
Power Consumption	ca. 1W
Relay Output	2 changeover contact 16A 250V ~ μ cos φ = 1
Parallel compensation	60VA max. 7 μ F
Accuracy	± 0.2 s/day under typical installation conditions
Wire cross-section	Single strand 1.5 - 4mm ² Multi strand 1.5 - 2.5mm ²
Programs	28 per channel
Geographical co-ordinates	Resolution 1°
Battery Reserve	6 Years
Storage Temp.	-20°C to +60°C
Operating Temp.	-20°C to +55°C

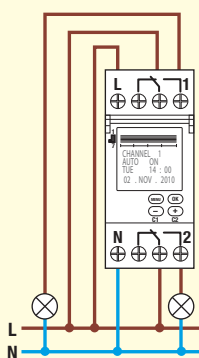
L V Fluorescent	100W
Motors	1800W
Fluorescent	2300W



Incandescent/Halogen	1800W
Mains Halogen	1800W
L V Halogen	2300W
E S Lamps	100W
L V Fluorescent	100W
Motors	1800W
Fluorescent	2300W

402/TD1	Technical Details
Supply Voltage	230V 50/60Hz
Power Consumption	ca. 1W
Contact rating	1 changeover contact 16A 250V ~ μ cos φ = 1
Parallel compensation	60VA max. 7 μ F
Accuracy	± 0.2 s/day under typical installation conditions
Terminal capacity	Single strand 1.5 - 4mm ² Multi strand 1.5 - 2.5mm ²
Programs	56
Pulse start times	84 (only if pulse function is activated)
Pulse duration	1s-59 min 59 s
Battery Reserve	6 Years
Storage ambient	-20°C to +60°C
Operating ambient	-20°C to +55°C

System Requirements	USB
Windows 98 (SE), Windows 2000, Windows XP or Windows Vista	
Memory Requirements	Approx 40Mb



Resistive Loads	3600W
Incandescent/Halogen	1800W
E S/L V Fluorescent	100W
Motors	1800W
Mains Halogen	1800W
L V Halogen	2300W

502/TD2	Technical Details
Supply Voltage	230V 50/60Hz
Power Consumption	ca. 1W
Contact rating	2 changeover contact 16A 250V ~ μ cos φ = 1
Parallel compensation	60VA max. 7 μ F
Accuracy	± 0.2 s/day under typical installation conditions
Terminal capacity	Single strand 1.5 - 4mm ² Multi strand 1.5 - 2.5mm ²
Programs	14 per channel
Geographical co-ordinates	Resolution 1°
Battery Reserve	6 Years
Storage ambient	-20°C to +60°C
Operating ambient	-20°C to +55°C

STAIRCASE TIME SWITCH

Operating voltage	190–240V
Mains frequency	50–60Hz
Switching capacity	16A resistive, 2000W tungsten, 2000W fluorescent
Connection: 3-lead rising mains	4-lead rising mains
Timed, reswitchable lighting.	Timed, reswitchable lighting.
	Untimed, standard lighting switches.

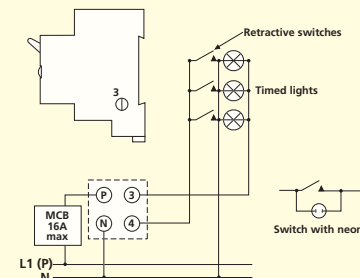
- Synchronous motor. • Time range 1–7 minutes. • Glow lamp max 50mA.
- Override switch for permanent 'on'. • Pre-selector switch for 3-4 wire connection.

TWILIGHT SWITCH

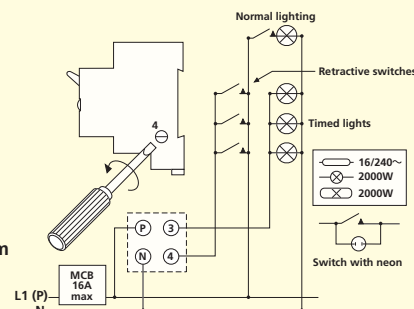
Operating voltage	190–240V
Mains frequency	45–60Hz
Power consumption	2.2VA
Contact rating resistive @ 240V	10A
Incandescent lamp load	1000W
Brightness range	2–2000 lux
Switching delay (on/off)	80 seconds approx
Switching status indication	LED (no delay)
Connection cable for light sensor	2 core cable max length 100m
Permissible ambient temp	-10 to +50°C control unit -40 to +70°C
Protection category	IP20 control unit IP54 light sensor

- Can be wired normally open or closed. • Delay 'on/off' eliminates nuisance switching.
- Selector switch for adjustment of ranges: range 1 2–35 lux; range 2 35–2000 lux.
- Connection of additional timing device will provide facility to override 'switch on' status.

Staircase 3 wire
Typical wiring diagram



Staircase 4 wire
Typical wiring diagram



Twilight switch
Typical wiring diagram

