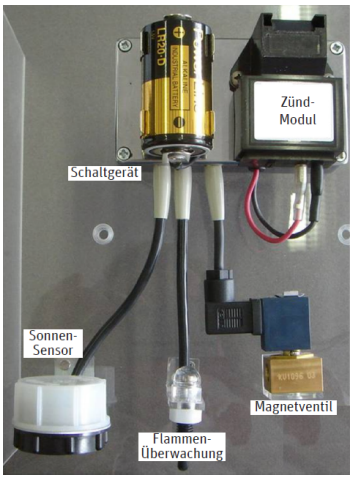
Twilight switch BS-N

Information

The twilight switch is used to switch gas lights. Up to now, theswitching systems worked with a servomotor and a control gear. The ignition is triggered by pressure switches. Due to their construction, these are much more susceptible to faults and are subject to greater mechanical wear. They were replaced by an extremely robust solenoid valve which is switched by a control board. At the same time the ignition voltage was increased from 12,000 Volts to 20,000 Volts. The energy for this is supplied by a 1.5 Volt D cell battery. If the ignition fails, a re-ignition automatic is triggered. If this also fails to ignite, an automatic safety shutdown prevents the climate-damaging CO2 from escaping into the atmosphere



Technical Informations

Arbeitsspannung:	3,4 V
Arbeitsweise:	The sun sensor (LDR1) records the ambient brightness. If it falls below a certain threshold value, the twilight switch opens the solenoid valve and switches on the electronic ignition for 30 seconds. When the flame sensor (LDR2) detects a glow of the filaments, the ignition switches off immediately. The light is switched off (valve closed) when the dawn exceeds the switch-on point of the sun sensor.
Flammenüberwachung:	Yes
Gehäuse:	Aluminium
Leerlaufspannung :	5,5 V
Leitungslängen Solarmodul :	ca. 450 mm
Leitungslängen Sonnensensor:	ca. 450 mm
Leitungslängen Ventilleitung:	200 mm
mehrere Schaltprogramme :	Yes
Nachzündautomatik:	Yes
Ruhestrom :	ca. 300 ;Ä
Schalthysterese:	approx. 5% of the threshold value
Schaltspannung Ventil :	4 V
Schaltstrom Ventil :	Impuls ca. 400 mA/16 ms
Schwellwerte (Flamme/Sonne):	Adjustable between 4 - 60 lx, 20 - 1 klx
Sicherheitabschaltung:	Yes

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BRAUN® LIGHTING SOLUTIONS

Twilight switch BS-N

Temperaturbeständigkeit der Steuerelemente :	-40°C to +120°C
Ventil Informationen:	Micro solenoid valve 2/2-way valve pulse-controlled
Zündspannung:	20000 V

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