Pexar

backlit display

1103090 - Daily-yearly - 1 channel 1103091 - Weekly-yearly - 1 channel 1103291 - Weekly-yearly - 2 channels Menu driven time switch - 2 DIN

110 5091S - Weekly-yearly - 1 channel 110 5291S - Weekly-yearly - 2 channels
Menu driven time switch with programming key - synchronizable with DCF and/or GPS time signal - 2 DIN

- Power supply 230V c.a. $\pm 10 \% 50-60 \mathrm{~Hz}$
- Contact output: limited current NO contact ZERO CROSSING 16 (10) A / 250V a.c.
- Max programs: 64 (matchable in blocks of days)
- ON-OFF minimum connection time: 1 second
- Visualisation: 1" 1/3 backlit LCD display
- Maximum lighting load: Incandescent LPs 3000W Fluorescent tube LPs, not compensated 1100W Parallely comp. fluorescent tube LPs 900W (tot capacity $125 \mu \mathrm{~F}$ )
Compact, fluorescent LPs $7 \mathrm{~W} \div 23 \mathrm{~W}$ (max. 23 lamp.) LED $25 \times 4 \mathrm{~W} / 12 \times 8 \mathrm{~W} / 8 \times 15 \mathrm{~W}$
- Max cross-section of wires to terminals: 1 ... $6 \mathrm{~mm}^{2}$
- Protection degree: IP20 - IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II $\square$
- ON / OFF relay signal: ON/OFF in LCD display
- Charge reserve: 6 years
- Type of reserve: LITHIUM battery
- Time tolerance: $\pm 0,5 \mathrm{sec} /$ day
- Operating temperature limits: $0^{\circ} \mathrm{C}+50^{\circ} \mathrm{C}$
- Storing temperature: $-10^{\circ} \mathrm{C}+65^{\circ} \mathrm{C}$
- Type of installation: DIN rail / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: multifunction keys (menu programming) confirmation key
- Clock setting accuracy: digital for hours/minutes
- Daylight saving time change: automatic
- Programming: menu driven - programs protected in EEPROM
- Dimensions $(\mathrm{L} \times \mathrm{W} \times \mathrm{H}) 35 \times 60 \times 90 \mathrm{~mm}$


## ACCESSORIES

1PR EMD01 "EMD" programming key
External memory to upload / download programs

## 1PR AUSB01 USB adapter for "EMD" key

USB adapter to connect the "EMD" programming key to the PC and upload programs

## 110 SW001 Programming software for PC

It allows the programming on your computer. The created programs can be saved, sent via e-mail, printed or transferred to the time switch via the "EMD" programming key.


## 1PA RXDCF77 Time signal receiver from Frankfurt for synchronized time switches

- Power supply 230V a.c. $50 / 60 \mathrm{~Hz}$
- Wall-mounted or pole installation
- BUS output signal
- Protection degree IP 65
- Wiring with shielded cable diameter $7-11 \mathrm{~mm}$
- Anti-UV opaline housing
- Wiring with cables up to $2.5 \mathrm{~mm}^{2}$
- Can be connected to max no. 10 time switches
- LED intervention signalling
- Dimensions (L x W x H) $72 \times 37.5 \times 147 \mathrm{~mm}$

1PA RXGPS01 Satellite GPS time signal receiver for synchronized time switches

- Power supply 230 V a.c. $50 / 60 \mathrm{~Hz}$
- Wall-mounted or pole installation
- BUS output signal
- Protection degree IP 65
- Wiring with shielded cable diameter $7-11 \mathrm{~mm}$
- Anti-UV opaline housig
- Wiring with cables up to $2.5 \mathrm{~mm}^{2}$
- Can be connected to max no. 10 time switches
- LED intervention signalling
- Dimensions (L x W x H) $72 \times 37.5 \times 147 \mathrm{~mm}$


Pin 1 VDD (power supply)
Pin 2 relay output 1
Pin 3 relay output 2
Pin 4 GND earth
110 1080/M - Daily - 1 channel
110 1280/M - Daily - 2 channels
110 1081/M - Weekly - 1 channel
110 1281/M - Weekly - 2 channels
Digital time switch module with automatic daylight saving time change

backlit display

1107080 - Daily with automatic daylight saving time change - 1 channel 1107081 - Weekly with automatic daylight saving time change - 1 channel 1107281 - Weekly with automatic daylight saving time change - 2 channels Digital time switch - 2 DIN
1 potential-free changeover contact $-\mathbf{\sigma}$ :-
1106080 - Daily without daylight automatic saving time change - 1 channel 1106081 - Weekly without daylight automatic saving time change - 1 channel Digital time switch - 2 DIN
1 potential-free changeover contact $-\mathbf{\sigma}$ -

- Power supply 230 V c.a. $\pm 20 \% 50-60 \mathrm{~Hz}$
- Contact output: 16 (2) A / 250 V a.c.
- Max programs: 20 (matchable in blocks of days)
- ON-OFF minimum connection time: 1 second
- Visualisation: 1 " $1 / 3$ backlit LCD display
- Maximum lighting load: Incandescent LPs 3500W Fluorescent tube LPs, not compensated 2300W Parallely comp. fluorescent tube LPs 700W (tot capacity $35 \mu$ F)
Compact, fluorescent LPs 290W ( $7 \times 15 \mathrm{~W}$ ) LED max $n^{\circ} 15 \times 4 \mathrm{~W} / 10 \times 8 \mathrm{~W} / 7 \times 15 \mathrm{~W}$
- Max cross-section of wires to terminals: 1 ... $6 \mathrm{~mm}^{2}$
- Protection degree: IP20 - IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: ||
- ON / OFF relay signal: ON/OFF in LCD display
- Charge reserve: 15 days
- Type of reserve: NiMH rechargeable battery
- Time tolerance: $\pm 0,5 \mathrm{sec} /$ day
- Operating temperature limits: $0^{\circ} \mathrm{C}+50^{\circ} \mathrm{C}$
- Storing temperature: $-10^{\circ} \mathrm{C}+65^{\circ} \mathrm{C}$
- Type of installation: DIN rail / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: multifunction keys (menu programming) confirmation key
- Clock setting accuracy: digital for hours/minutes
- Daylight saving time change: for 4 geographic areas
- Programming: for hours, minutes and seconds
- Dimensions $(L \times W \times H) 35 \times 60 \times 90 \mathrm{~mm}$

backlit display


110 4091-1 channel
110 4291-2 channels
Astronomical twilight time switch - 2 DIN

- Power supply 230Vc.a.+/-10\%, 50Hz
- Contact output: limited current NO contact

ZERO CROSSING 16 (2) A / 250V a.c.

- Max programs: 45 ON-OFF
- ON-OFF minimum connection time: 1 minute
- Visualisation: 1" $1 / 3$ backlit LCD display
- Maximum lighting load: Incandescent LPs 3000W Fluorescent tube LPs, not compensated 1100W Parallely comp. fluorescent tube LPs 900W (tot capacity $125 \mu \mathrm{~F}$ )
Compact, fluorescent LPs $7 \mathrm{~W} \div 23 \mathrm{~W}$ (max. 23 lamp.) LED max $\mathrm{n}^{\circ} 25 \times 4 \mathrm{~W} / 12 \times 8 \mathrm{~W} / 8 \times 15 \mathrm{~W}$
- Max cross-section of wires to terminals: 1 ... $6 \mathrm{~mm}^{2}$
- Protection degree: IP20 - IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II

1 SHOP SIGNBOARD - Operation with twilight / time / Astro logic
ON TWILIGHT
OFF TIME h 22:00
ON TIMEh 6:00
OFF ASTRONOMIC


2 PUBLIC/SQUARE/PARKING LIGHTING - Operation with astronomical logic and daytime intervention in twilight mode in case of storm OU ASTRONOMIC


## ACCESSORIES

1PR EMD01 "EMD" programming key
External memory to upload / download programs


## 1PR 6092 Outdoor cadmium-free probe

The probe is not included in the packing. it must be purchased separately.

- Installation outdoors on wall and/or pole
- Connection with cables measuring between 0.75 and $2.5 \mathrm{~mm}^{2}$
- Cabling with 4-8 mm shielded cable
- UV-resistant opal housing
- Protection degree IP 65
- Dimensions of sensor (L x W x H) $28 \times 48 \times 56 \mathrm{~mm}$ Peract



## 1101070 - Daily <br> 1101071 - Weekly <br> Digital time switch with automatic standard time / daylight saving time change - 1 DIN

- Power supply 230 V c.a. $50-60 \mathrm{~Hz}$
- Contact output: 16 (2) A / 250V a.c.
- Max programs: 96 (1IO 1070) - 672 (1IO 1071)
- ON-OFF minimum connection time: 15 minutes
- Visualisation: 1⁄" LCD display
- Maximum lighting load: 3500VA (each contact) Incandescent LPs 2300W
Fluorescent tube LPs, not compensated 1000W Parallely comp. fluorescent tube LPs 290W (tot capacity $35 \mu \mathrm{~F}$ ) Compact, fluorescent LPs 105W (7 x 15W)
LED max $n^{\circ} 15 \times 4 \mathrm{~W} / 10 \times 8 \mathrm{~W} / 7 \times 15 \mathrm{~W}$
- Max cross-section of wires to terminals: 1 ... $2.5 \mathrm{~mm}^{2}$
- Protection degree: IP20 - IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II
- ON / OFF relay signal: ON/OFF in LCD display
- Charge reserve: 15 days
- Type of reserve: NiMH rechargeable battery
- Time tolerance: $\pm 0,5 \mathrm{sec} /$ day
- Operating temperature limits: $0^{\circ} \mathrm{C}+50^{\circ} \mathrm{C}$
- Storing temperature: $-10^{\circ} \mathrm{C}+50^{\circ} \mathrm{C}$
- Type of installation: DIN rail / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: programming keys, ON/OFF key
- Clock setting accuracy: digital for hours/minutes
- Daylight saving time change: automatic
- Dimensions $(\mathrm{L} \times \mathrm{W} \times \mathrm{H}) 17.5 \times 60 \times 90 \mathrm{~mm}$



## 110 0022/D15 - Daily 110 0024/D15 - Weekly <br> Digital time switch with tappets and display - 2 DIN

- Power supply 230 V c.a. $50-60 \mathrm{~Hz}$
- Contact output: 16 (2) A / 250V a.c.
- Insulation class: II
- Max programs: 96 (1IO 1070) - 672 (110 1071)
- ON / OFF relay signal: ON/OFF in LCD display
- ON-OFF minimum connection time: 15 minutes
- Type of reserve: NiMH rechargeable battery
- Visualisation: 1" LCD circular display
- Maximum lighting load: 3500VA (each contact) Incandescent LPs 2300W
Fluorescent tube LPs, not compensated 1000W
Parallely comp. fluorescent tube LPs 290W (tot capacity $35 \mu \mathrm{~F}$ )
Compact, fluorescent LPs 105W (7 x 15W)
LED max $n^{\circ} 15 \times 4 \mathrm{~W} / 10 \times 8 \mathrm{~W} / 7 \times 15 \mathrm{~W}$
- Max cross-section of wires to terminals: $2.5 \mathrm{~mm}^{2}$
- Protection degree: IP20 - IP30 (with terminal covers) IP40 (on rear of switchboard)
- Type of output: terminals with captive screw

Note: Art. 0022/D15-0024/D15 can be installed in rear of switchboard with accessory 1PA KTMP/2 (option)


1100012 D 15 - Daily $-72 \times 72$
1100016 D 15 - Weekly $-72 \times 72$
$1100012 \mathrm{D15/M230}$ - Daily $-60 \times 60$ Module
$1100012 \mathrm{O} 15 / \mathrm{M230}$ - Weekly $-60 \times 60$ Module
Digital time switch with tappets and display

- Power supply 230 V c.a. $50-60 \mathrm{~Hz}$
- Contact output: 16 (2) A / 250 V a.c.
- Max programs: 96 (daily) - 672 (weekly)
- ON-OFF minimum connection time: 15 minutes
- Visualisation: LCD circular display
- Maximum lighting load: 3500VA (each contact) Incandescent LPs 2300W
Fluorescent tube LPs, not compensated 1000W
Parallely comp. fluorescent tube LPs 290W (tot capacity $35 \mu \mathrm{~F}$ )
Compact, fluorescent LPs 105W (7 x 15W)
LED max $n^{\circ} 15 \times 4 \mathrm{~W} / 10 \times 8 \mathrm{~W} / 7 \times 15 \mathrm{~W}$
- Max cross-section of wires to terminals: $2.5 \mathrm{~mm}^{2}$
- Protection degree: IP40 (wall-mounted, on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: ||
- ON / OFF relay signal: ON/OFF in LCD display
- Charge reserve: 15 days
- Type of reserve: NiMH rechargeable battery
- Time tolerance: $\pm 1$ sec/day
- Operating temperature limits: $0^{\circ} \mathrm{C}+50^{\circ} \mathrm{C}$
- Storing temperature: $-10^{\circ} \mathrm{C}+50^{\circ} \mathrm{C}$
- Type of installation: wall-mounted / on rear of switchboard / recess mounting
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: programming keys, ON/OFF key, reset key
- Clock setting accuracy: digital for hours/minutes
- Dimensions ( $\mathrm{L} \times \mathrm{W} \times \mathrm{H}$ ) $72 \times 67.5 \times 101 \mathrm{~mm}(72 \times 72)$ $60 \times 26 \times 60 \mathrm{~mm}(60 \times 60)$

Note: Art. 0012D15-0016D15 can be installed on rear of switchboard with accessory 1PA SG001 (option)

