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## ATS-2D, ATS-2DR, ATS-2WR

## Analog time switch with daily/weekly program

## Characteristics

- The mechanical time switch is a simple and inexpensive alternative to digital time switches for controlling heating, ventilation, cooling, lighting systems or pumps depending on real time.
- Power reserve after power off for up to 150 hours after fully charged.
- Sealable transparent front panel cover.
- The ATS-2DR package includes a plastic DIN rail.
- Selection of operating modes using the switch on the panel:


## ATS-2D, ATS-2WR

(D) switches automatically according to the set program

I permanently closes
O permanently opens
ATS-2DR
I permanently closes
II switches automatically according to the set program

## Connection

ATS-2D, ATS-2WR

- $\vec{\mu} \rightarrow 16$ (4)A 250 V
$-(M) \frac{230 \mathrm{~V}}{50 / 60 \mathrm{~Hz}}$


ATS-2DR


## Setting

Minimum switching interval:

- daily 30 minutes (1 segment)
- weekly 210 minutes ( 1 segment)

High temperatures can affect the accuracy of the time switches


ATS-2D, ATS-2WR
! Lower the segments all the way down ATS-2DR


Example: 06:00 ... 12:00 ON
12:00 ... 14:00 OFF
14:00 ... 19:30 ON 19:30 ... 06:00 OFF
\} Lower the segments all the way down

## Description

ATS-2D, ATS-2WR


1. Output contact (1-2-3)
2. Rotation of the programming dial
3. Operating mode switch
4. Supply voltage terminals (4-5)

ATS-2DR
5. Transparent opening cover
6. Time indicator
7. Sealing spot


## Operating mode

(1) Cㄴ switches automatically according to the set program
$\begin{array}{ll}3 & 1 \\ 3 & 0\end{array}$ permanently closes
(3) $\mathbf{O}$ permanently opens

ATS-2D, ATS-2WR


ATS-2DR


## Power reserve (models only ATS-2DR, ATS-2WR)

The time switch starts working approx. 5 minutes after being connected to the power supply. After approximately 72 hours from the connection to the power supply, the power reserve reaches it's complete charge of 150 hours.

## Technical parameters

|  | ATS-2D | ATS-2DR | ATS-2WR |
| :---: | :---: | :---: | :---: |
| Supply |  |  |  |
| Supply terminals: | 4-5 | L-N | 4-5 |
| Supply voltage: | AC $230 \mathrm{~V}(50 / 60 \mathrm{~Hz}$ ) |  |  |
| Consumption (max.): | $1.6 \mathrm{VA} / 1 \mathrm{~W}$ |  |  |
| Supply voltage tolerance: | -10\%; +10\% |  |  |
| Time circuit |  |  |  |
| Program: | daily | daily | weekly |
| Number of switching segments: | 48 |  |  |
| Minimum switching interval: | 30 mins | 30 mins | 3.5 hrs |
| Operating accuracy: | $\pm 2 \mathrm{~s} / \mathrm{day}$ |  |  |
| Power reserve: | $\times$ | max. 150 hod |  |
| Output |  |  |  |
| Contact type: | $1 \times$ changeover (AgNi) | $1 \times$ changeover <br> (AgCdO15) | $1 \times$ changeover (AgNi) |
| Rated current: | 16 A/AC1 |  |  |
| Breaking capacity: | 3500 VA/AC1 |  |  |
| Switching voltage: | 250 V AC |  |  |
| Mechanical life: | 2.000 .000 ops . | 100.000 ops. | 2.000 .000 ops. |
| Electrical life (AC1): | 100.000 ops. | 30.000 ops . | 100.000 ops. |
| Other information |  |  |  |
| Operating temperature: | $-10 . .+50^{\circ} \mathrm{C}\left(14 . .122^{\circ} \mathrm{F}\right)$ |  |  |
| Storage temperature: | $-10 . .+50^{\circ} \mathrm{C}\left(14 . .122^{\circ} \mathrm{F}\right)$ |  |  |
| Dielectric strength: | AC 4 kV (supply - output) |  |  |
| Operating position: | any |  |  |
| Mounting: | DIN rail EN 60715 |  |  |
| Protection degree: | IP20 |  |  |
| Overvoltage category: | III. |  |  |
| Pollution degree: | 2 |  |  |
| Cross-wire section - solid/ <br> stranded with ferrule ( $\mathrm{mm}^{2}$ ): | $\begin{gathered} \max .1 \times 4,2 \times 1.5 / \\ \max .1 \times 4,2 \times 1.5 \text { (AWG } 12) \end{gathered}$ |  |  |
| Dimensions: | $91 \times 36 \times 61 \mathrm{~mm}\left(3.6^{\prime \prime} \times 1.4^{\prime \prime} \times 2.4{ }^{\prime \prime}\right)$ |  |  |
| Weight: | $120 \mathrm{~g}(4.25 \mathrm{oz})$ |  |  |
| Standards: | EN 61812-1, EN 60730-1 |  |  |

Time setting - daily program
Do not turn counter clockwise

## Day / time setting - weekly program

Do not turn counter clockwise


This device is constructed for connection in 1-phase network AC 230 V and must be installed according to norms valid in the state of an application. Installation, connection, setting and servicing must be carried out by qualified electrician staff only, which have perfectly understood the instructions and functions of the device. This device contains protection against overvoltage peaks and disturbing impulses in the power supply network. For the correct function of the protection of this device, there must be suitable protections of higher degrees ( $\mathrm{A}, \mathrm{B}, \mathrm{C}$ ) installed in front of them and according to the standards, interference of switching devices must be securely eliminated (contactors, motors, inductive loads, etc.). Before installation, make sure that the device is de-energized and the main switch is in the "OFF" position. Don't install the device to sources of excessive electromagnetic interference. Ensure correct installation by perfect air circulation so that during continuous operation and a higher ambient temperature, the device does not exceed the maximum allowed operating temperature. For installation and setting use a screwdriver with a width of approx 2 mm . Keep in mind that this is a fully electronic device and approach accordingly with the installation. Non-problematic function of the device is also dependent on the previous method of transportation, storage, and handling. In case of any signs of damage, deformation, malfunction, or missing parts, don't install this device and claim it at the dealer. The product must be treated as electronic waste at the end of its life.

