



Energy Conservation Solutions  
'our promise, you'll save'

# Vemer Timers

Uncompromising Performance



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[www.ecs.net.au](http://www.ecs.net.au)



# Vemer Timers

## Uncompromising Performance

Vemer was founded, more than 30 years ago. Since that time Vemer is a leading company on the electrical market as a manufacturer and distributor of solutions and instruments suitable for civil and industrial fields.

### AN ITALIAN COMPANY, PRODUCING IN ITALY

Vemer's headquarters and all the company functions like Manufacturing, Design, Manufacturing and Sales are based in Feltre, in the province of Belluno. Vemer believes that his "made in Italy" line is a sort of distinctive sign of quality and reliability.

### Vision

The Company is made by a group of people which are meeting, thinking, designing, producing and looking ahead on the same direction. Vemer believes that cooperation among the people has to be considered as an important Value. In this perspective Vemer constantly invests in Research and Development with the purpose to offer to the customers always more innovative, functional and reliable over time products.

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# Digital time Switches

Digital time switches with removable backup battery and with NFC capabilities\*\* for the transfer of programs from one device to another.



|  | Micro D<br>VE758100 | Micro W<br>VE758200 | Simply D<br>VE512000 | Simply W<br>VE513800 | Memo DW E*<br>VP871800 | Memo DW<br>VE339800   | Memo Y<br>VE340600  | Memo DW2<br>VE341400  | Memo Y2<br>VE342200   |
|--|---------------------|---------------------|----------------------|----------------------|------------------------|---|---|---|---|
| <b>DIN modules dimensions</b>              | 1                   | 1                   | 2                    | 2                    | 2                      | 2   | 2   | 2   | 2   |
| <b>Power supply 230 V AC</b>               | ■                   | ■                   | ■                    | ■                    | ■                      | ■   | ■   | ■   | ■   |
| <b>*Power supply 12/24 V AC/DC</b>         | -                   | -                   | -                    | -                    | ■                      | -   | -   | -   | -   |
| <b>Replaceable battery</b>                 | ■                   | ■                   | ■                    | ■                    | ■                      | ■   | ■   | ■   | ■   |
| <b>Battery life</b>                        | 4 years             | 4 years             | 5 years              | 5 years              | 5 years                | 5 years   | 5 years   | 5 years   | 5 years   |
| <b>Programming</b>                         |                     |                     |                      |                      |                        |   |   |   |   |
| <b>Daily</b>                               | ■                   | ■                   | ■                    | ■                    | ■                      | ■   | ■   | ■   | ■   |
| <b>Weekly</b>                              | -                   | ■                   | -                    | ■                    | ■                      | ■   | ■   | ■   | ■   |
| <b>Monthly</b>                             | -                   | -                   | -                    | -                    | -                      | -   | ■   | -   | ■   |
| <b>Yearly</b>                              | -                   | -                   | -                    | -                    | -                      | -   | ■   | -   | ■   |
| <b>Minimum intervention time</b>           |                     |                     |                      |                      |                        |   |   |   |   |
| <b>ON/OFF</b>                              | 30 min              | 30 min              | 30 min               | 30 min               | 1 min                  | 1 min   | 1 min   | 1 min   | 1 min   |
| <b>PULSE</b>                               | -                   | -                   | -                    | -                    | 1 sec                  | 1 sec   | 1 sec   | 1 sec   | 1 sec   |
| <b>Relay</b>                               | 1                   | 1                   | 1                    | 1                    | 1                      | 1   | 1   | 2   | 2   |
| <b>Summer/winter time automatic update</b> | ■                   | ■                   | ■                    | ■                    | ■                      | ■   | ■   | ■   | ■   |
| <b>Programming with remote device</b>      | -                   | -                   | -                    | -                    | -                      | ■   | ■   | ■   | ■   |
| <b>**Communication Mode/Programming</b>    | -                   | -                   | -                    | -                    | -                      |  |  |  |  |

\* MEMO DWE 12V VE462800

\* MEMO DWE 24V VE463600

## Bluetooth Time Switches

## Configurable Astronomical/ Time Switches

Programmable digital time switches via bluetooth with APP dedicated to ios and android systems

Digital configurable astronomical/time switches with bus for GPS module and auxiliary relay modules and bus KNX.



**Memo BT1**  
VE767600

**Memo BT2**  
VE767700

|   |                     |                     |
|---|---------------------|---------------------|
| <b>DIN modules dimensions</b>                   | 2                   | 2                   |
| <b>Power supply 230V AC</b>                     | ■                   | ■                   |
| <b>Replaceable battery</b>                      | ■                   | ■                   |
| <b>Battery life</b>                             | 5 years             | 5 years             |
| <b>Programming, Daily, Weekly, Astronomical</b> | ■                   | ■                   |
| <b>Minimum intervention time</b>                |                     |                     |
| <b>ON/OFF</b>                                   | 1 min               | 1 min               |
| <b>PULSE</b>                                    | 1 sec               | 1 sec               |
| <b>Relay</b>                                    | 1                   | 2                   |
| <b>Summer/winter time automatic update</b>      | ■                   | ■                   |
| <b>Communication/ Programming</b>               | Bluetooth           | Bluetooth           |
| <b>Communication mode/ Programming</b>          | Via APP for systems | Via APP for systems |



**Memo BUS**  
VE747400

**Memo KNX**  
VE747300

|   |                         |                         |
|---|-------------------------|-------------------------|
| <b>DIN modules dimensions</b>                                   | 3                       | 3                       |
| <b>Power supply 115/230 V AC</b>                                | 1                       | 1                       |
| <b>Replaceable battery</b>                                      | -                       | -                       |
| <b>Battery life</b>   | 5 years                 | 5 years                 |
| <b>Programming Daily, Weekly, Monthly, Yearly, Astronomical</b> | ■                       | ■                       |
| <b>Minimum intervention time</b>                                |                         |                         |
| <b>- ON/OFF</b>   | 1 min                   | 1 min                   |
| <b>- PULSE</b>  | 1 sec                   | 1 sec                   |
| <b>Relay</b>  | 1 (expandable up to 9)* | 1 (expandable up to 9)* |
| <b>Summer/winter time automatic update</b>                      | ■                       | ■                       |
| <b>Bus communication/ Programming</b>                           | ■                       | ■                       |

### Accessories for memo BUS and memo KNX



**VE747200 GEO-1**  
GPS module for receiving of time and position from satellite



**VN943700 RX4-8A**  
Remote actuator with 4 channels

\* The expansion occurs via 1 or 2 RX4-8A actuators  
The use of GEO-1 module allows a complete accuracy of the time

# Electromechanical Time Switches

Electromechanical time switches with trippers for wall, panel, DIN-rail installations and in dimensions ranging from 1 to 5 modules.\*\*



|                                      | <b>Elo-D</b><br>VP877500 | <b>Elo-W</b><br>VP878300 | <b>Duet-D</b><br>VP879100 | <b>Duet-W</b><br>VE125100 | <b>Arvo-D</b><br>VP882500 | <b>Arvo-W</b><br>VP883300 | <b>Bio-D</b><br>VE087300 | <b>Bio-W</b><br>VE088100 | <b>Napa-D</b><br>VP884100 | <b>Napa-W</b><br>VP885800 |
|--------------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| <b>Dimension</b>                     |                          |                          |                           |                           |                           |                           |                          |                          |                           |                           |
| - DIN modules                        | 1                        | 1                        | 2                         | 2                         | 2.5                       | 2.5                       | 2                        | 2                        | -                         | -                         |
| - Millimeters                        | -                        | -                        | -                         | -                         | -                         | -                         | -                        | -                        | 72x72                     | 72x72                     |
| <b>Type of mounting</b>              | DIN-rail                 | DIN-rail                 | DIN-rail                  | DIN-rail                  | DIN-rail                  | DIN-rail                  | DIN-rail                 | DIN-rail                 | Panel Wall<br>DIN-rail*   | Panel Wall<br>DIN-rail*   |
| <b>Power supply<br/>230 V AC</b>     | ■                        | ■                        | ■                         | ■                         | ■                         | ■                         | ■                        | ■                        | ■                         | ■                         |
| <b>Charge reserve</b>                | 150h                     | 150h                     | 150h                      | 150h                      | 150h                      | 150h                      | 100h                     | 100h                     | **100h                    | 100h                      |
| <b>Replaceable<br/>battery</b>       | ■                        | ■                        | ■                         | ■                         | ■                         | ■                         | -                        | -                        | -                         | -                         |
| <b>Programming</b>                   |                          |                          |                           |                           |                           |                           |                          |                          |                           |                           |
| - Daily                              | ■                        | -                        | ■                         | -                         | ■                         | -                         | ■                        | -                        | ■                         | -                         |
| - Weekly                             | -                        | ■                        | -                         | ■                         | -                         | ■                         | -                        | ■                        | -                         | ■                         |
| <b>Minimum<br/>intervention time</b> | 15min                    | 2h                       | 30min                     | 3h30                      | 15min                     | 2h                        | 15min                    | 2h                       | 15min                     | 2h                        |
| <b>N. Trippers</b>                   | 96                       | 84                       | 48                        | 48                        | 96                        | 84                        | 96                       | 84                       | 96                        | 84                        |
| <b>Relay</b>                         | 1                        | 1                        | 1                         | 1                         | 1                         | 1                         | 1                        | 1                        | 1                         | 1                         |

\* Available also the following models:  
VP886600 NAPA-RD only panel-mounting  
VP887400 NAPA-RW only panel-mounting  
VE049300 NAPA-ED without charge reserve

\*\*Available model with 5 modules:  
VP881700 AIKO  
Refer to [www.ecs.net.au](http://www.ecs.net.au)

# Astronomical Twilight Switches

Astronomical twilight switches for lights activation from sunset to sunrise with night switchings off and daytime activation through external probe\*



Micro AST  
VE762300



Simply AST  
VE707600





Memo AST1  
VE344800



Memo AST2  
VE343000



MEMO AST LUX\*  
VE339800

|   | Micro AST<br>VE762300 | Simply AST<br>VE707600 | Memo AST1<br>VE344800   | Memo AST2<br>VE343000  | MEMO AST LUX*<br>VE339800 |
|---|-----------------------|------------------------|---|--|---------------------------|
| <b>DIN modules dimensions</b>   | 1                     | 2                      | 2   | 2  | 2                         |
| <b>Power supply 230 V AC</b>  | ■                     | ■                      | ■   | ■  | ■                         |
| <b>Replaceable battery</b>  | ■                     | ■                      | ■   | ■  | ■                         |
| <b>Battery life</b>   | 4 years               | 5 years                | 5 years   | 5 years  | 5 years                   |
| <b>Programming</b>  |                       |                        |   |  |                           |
| - Daily   | ■                     | ■                      | ■   | ■  | ■                         |
| - Weekly  | -                     | -                      | ■   | ■  | -                         |
| <b>Operation modes</b>  |                       |                        |   |  |                           |
| - ON/OFF from sunset to sunrise to ON/OFF from sunset to sunrise with night prg | ■                     | ■                      | ■   | ■  | ■*                        |
| - ON/OFF/CYCLE/PULSE to PULSE   | -                     | -                      | ■   | ■  | ■                         |
| <b>Relay</b>  | 1                     | 1                      | 1   | 2  | 1                         |
| <b>Summer/winter time automatic update</b>                                      | ■                     | ■                      | ■   | ■  | ■                         |
| <b>Programming with remote device</b>   | -                     | -                      | ■   | ■  | -                         |
| <b>Communication Mode/Programming</b>   | -                     | -                      | <br>NFC | <br>NFC | -                         |

\* Daytime activation with external luminosity probe

# Twilight Switches

Twilight switch for the activation of an electric load according to the ambient lighting.



**CR1DIN**  
VJ62300000



**QUICKLUX 3**  
VE503900



**QUICKLUX 4**  
VE5054700



**VEPAL**  
VJ57370000



**VELUX**  
VJ57030000



**VEREG**  
VJ57110000

## Dimensions

|                              |        |               |               |               |               |               |
|------------------------------|--------|---------------|---------------|---------------|---------------|---------------|
| - DIN modules                | 1      | -             | -             | -             | -             | -             |
| - Millimeters                | -      | 106x51.7x41.2 | 106x51.7x41.2 | 95xØ75*       | 95xØ75*       | 95xØ75*       |
| <b>Mounting</b>              | DIN ** | Wall/Pole     | Wall/Pole     | Wall/Pole     | Wall          | Wall          |
| <b>Power supply 230 V AC</b> | ■      | ■             | ■             | ■             | ■             | ■             |
| <b>Replacable battery</b>    | -      | -             | -             | -             | -             | -             |
| <b>Battery life</b>          | -      | -             | -             | -             | -             | -             |
| <b>Programming</b>           |        |               |               |               |               |               |
| - Daily                      | -      | -             | -             | -             | -             | -             |
| - Weekly                     | -      | -             | -             | -             | -             | -             |
| <b>Sensitivity (lux)</b>     | 1-100  | 3-70          | 3-70          | 3-70          | 3-70          | 3-70          |
| <b>Hysteresis (lux)</b>      | 15%    | 4 fixed       | 4 fixed       | 1-10          | 4 fixed       | 1-10          |
| <b>Load</b>                  | -      | ■             | ■             | -             | -             | -             |
| - Incandescent (W)           | 2000   | 800 (coφ 0.8) | 800 (coφ 0.8) | 800 (coφ 0.8) | 800 (coφ 0.8) | 800 (coφ 0.8) |
| - Fluorescent (W)            | 400    | 360 (coφ 0.8) | 360 (coφ 0.8) | 360 (coφ 0.8) | 360 (coφ 0.8) | 360 (coφ 0.8) |
| <b>IP rating</b>             | 41**   | 54            | 54            | 54            | 54            | 54            |

\* Dimensions include mountings brackets

\*\*External PE Cell wall mounted IP65

# Staircase Light Switches

Staircase light switches with electromechanical or electronic control for the timed activation of lights in domestic and similar environments.



**LSM-01**  
VE073300



**TE-200**  
VJ79720000



**TE-300**  
VE766700




|                               |                   |                 |                          |
|-------------------------------|-------------------|-----------------|--------------------------|
| <b>DIN modules dimensions</b> | 1                 | 1               | 1                        |
| <b>Power supply 230V AC</b>   | ■                 | ■               | ■                        |
| <b>Type of control</b>        | Electromechanical | Electronic      | Multifunction electronic |
| <b>Operation modes</b>        |                   |                 |                          |
| - Timed                       | ■                 | ■               | ■                        |
| - Always on                   | ■                 | ■               | ■                        |
| - Timed 60 min                | -                 | -               | ■                        |
| - Step-by-step                | -                 | -               | ■                        |
| - Pulse                       | -                 | -               | ■                        |
| - With switching off warning  | ■                 | -               | ■                        |
| <b>3-4 wires system</b>       | ■                 | ■               | ■                        |
| <b>Regulation range</b>       | 45 sec ÷ 7 min    | 30 sec ÷ 20 min | 30 sec ÷ 20 min          |
| <b>Relay</b>                  | 1                 | 1               | 1                        |



# Hour Meters




## Panel and DIN mounted Hour Meters

|                                | <br><b>HMS-024</b><br>VP759500 | <br><b>HMS-048</b><br>VP755300 | <br><b>HMS-110</b><br>VP758700 | <br><b>HMS-230</b><br>VP757900 | <br><b>HMS-400</b><br>VP756100 | <br><b>HMS-1080</b><br>VP760300 |
|--------------------------------|---|---|---|--|---|--|
| <b>Front dimensions</b>        | 48 x 48mm   | 48 x 48mm   | 48 x 48mm   | 48 x 48mm  | 48 x 48mm   | 48 x 48mm  |
| <b>Overall dimensions</b>      | 55 x 55mm   | 55 x 55mm   | 55 x 55mm   | 55 x 55mm  | 55 x 55mm   | 55 x 55mm  |
| <b>Power supply</b>            | 24V AC  | 48V AC  | 110V AC   | 230V AC  | 400V AC   | 10-80 V DC   |
| <b>Accuracy</b>                | 1/100 h   | 1/100 h   | 1/100 h   | 1/100 h  | 1/100 h   | 1/10 h   |
| <b>Installation type</b>       | Panel   | Panel   | Panel   | Panel  | Panel   | Panel  |
| <b>IP Rating (front panel)</b> | IP40  | IP40  | IP40  | IP40   | IP40  | IP40   |
| <b>Digits</b>                  | 5+2   | 5+2   | 5+2   | 5+2  | 5+2   | 6+1  |
| <b>Maximum count</b>           | 99999.99  | 99999.99  | 99999.99  | 99999.99   | 99999.99  | 99999.9  |

|                                | <br><b>HMD-024</b><br>VE160800 | <br><b>HMD-230</b><br>VP749600 | <br><b>HMD-1236</b><br>VE161600 |
|--------------------------------|---|---|--|
| <b>Dimensions</b>              | 2 module  | 2 module  | 2 module   |
| <b>Power supply</b>            | 24V AC  | 230V AC   | 12-36V DC  |
| <b>Accuracy</b>                | 1/100h  | 1/100h  | 1/100h   |
| <b>Installation type</b>       | DIN   | DIN   | DIN  |
| <b>IP Rating (front panel)</b> | IP40  | IP40  | IP40   |
| <b>Digits</b>                  | 5+2   | 5+2   | 6+1  |
| <b>Maximum count</b>           | 99999.99  | 99999.99  | 99999.9  |

# Control Relays

Modular electronic relays that satisfy the timing needs for all industrial and civil applications

|   | <br><b>TDMU</b><br>VE145900 | <br><b>TPLU</b><br>VE146700 | <br><b>DSR</b><br>VE147500 |
|---|--|--|---|
| <b>DIN modules dimensions</b>   | 1  | 1  | 1   |
| <b>Power supply 12-240 V AC/DC</b>  | ■  | ■  | ■   |
| <b>Type of control</b>  | Multi Function Timer   | Pause Timer  | Star Delta Timer  |
| <b>Operation Modes</b>  |  |  |   |
| - (a) Delayed relay energising  | ■  | -  | -   |
| - (b) Delayed relay de-energising   | ■  | -  | -   |
| - (c) ON/OFF cycle OFF on activation  | ■  | -  | -   |
| - (d) ON/OFF cycle ON on activation   | ■  | -  | -   |
| - (e) Energising of the relay upon closing the contact and timed de-energising upon opening the contact | ■  | -  | -   |
| - (f) Timed energising of the relay upon closing the contact  | ■  | -  | -   |
| - (g) Timed energising of the relay upon opening the contact  | ■  | -  | -   |
| - (h) Delayed relay energising upon closing and delayed de-energising upon opening                      | ■  | -  | -   |
| - (i) Stepper relay upon closing the contact  | ■  | -  | -   |
| - (j) Delayed pulse generation  | ■  | -  | -   |
| - ON/OFF cycle ON on energising   | -  | -  | -   |
| - ON/OFF cycle OFF on energising  | -  | ■  | -   |
| - Star delta timer  | -  | ■  | ■   |
| <b>Timer range</b>  | 0.1s - 10 days   | 0.1s - 100 days  | t1: 0.1s - 100 days<br>t2: 0.1s - 1s  |
| <b>Output Relay (16A/250V AC)</b>   | 1  | 1  | 2   |

# Control Relays

PSR, VCR and CCR are control relays monitoring Phase, Voltage and Current



**PSR400**  
VP807200



**VCR**  
VE144200



**CCR**  
VE143400

|   |                      |                          |                      |
|---|----------------------|--------------------------|----------------------|
| <b>DIN modules dimensions</b>           | 2                    | 2                        | 2                    |
| <b>Power supply</b>                     | 400V AC (-20 - +10%) | 230V AC (-15 - +10%)     | 230V AC (-15 - +10%) |
| <b>Type of control</b>                  | Phase                | Voltage                  | Current              |
| <b>Operation modes</b>                  |                      |                          |                      |
| - Phase failed                          | ■                    | -                        | -                    |
| - Voltage asymmetry                     | ■                    | -                        | -                    |
| - Phase sequence                        | ■                    | -                        | -                    |
| <b>Capacity</b>                         | 3x230V (400V ac)     | 500V                     | 10A                  |
| <b>Input signal</b>                     | -                    | 10V - 100V or 50V - 500V | 0.15A or 1A - 10A    |
| <b>Relay output at 250V AC</b>          | 8A                   | 8A                       | 8A                   |
| <b>Maximum switchable voltage in AC</b> | 380V                 | 380V                     | 380V                 |
| <b>Maximum switchable current in AC</b> | 10A                  | 10A                      | 10A                  |
| <b>Maximum switchable power in AC</b>   | 2000VA               | 2000VA                   | 2000VA               |



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