

Ficha Técnica  
Technical Data Sheet



| Descripción                                                                                                                                                                                                                                                                                                                                                                      | Description                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Dos módulos de anchura</li> <li>• 32 espacios de memoria</li> <li>• 1 ó 2 circuitos conmutados independientes</li> <li>• Programación por menús de iconos</li> <li>• Programación de pulsos</li> <li>• Cambio verano/invierno automático o programable o desactivado</li> <li>• Programación de periodos festivos/vacaciones</li> </ul> | <ul style="list-style-type: none"> <li>• Two modules width</li> <li>• 32 memory spaces</li> <li>• 1 or 2 independent change over circuits</li> <li>• Programming by icon menu</li> <li>• Programming of pulses</li> <li>• Automatic DST change by country, programmable or disable</li> <li>• Holidays special programing</li> </ul> |
| Aplicaciones                                                                                                                                                                                                                                                                                                                                                                     | Areas of application                                                                                                                                                                                                                                                                                                                 |
| Programación de bombas eléctricas para riego, horarios de encendido climatización oficinas, sirena de colegio, iluminación, etc.                                                                                                                                                                                                                                                 | Programming of electric irrigation pumps, lighting up hours, offices air conditioning, school siren, lighting, etc.                                                                                                                                                                                                                  |

| Modelos                                                |        | DATA MICRO 2 +                                                    | DATA MICRO +           |
|--------------------------------------------------------|--------|-------------------------------------------------------------------|------------------------|
| Models                                                 |        |                                                                   |                        |
|                                                        |        | 2 circuitos                                                       | 1 circuito             |
|                                                        |        | 2 circuits                                                        | 1 circuit              |
| Características técnicas                               |        |                                                                   |                        |
| Technical data                                         |        |                                                                   |                        |
| Alimentación (otras tensiones disponibles - consultar) | V c.a. | 230 ± 10 %                                                        |                        |
| Power supply (other voltages available - consult)      | V AC   |                                                                   |                        |
| Frecuencia nominal                                     | Hz     | 50 / 60                                                           |                        |
| Nominal frequency                                      |        |                                                                   |                        |
| Consumo propio                                         | VA     | 7,3VA (1,2 W)                                                     |                        |
| Power consumption                                      |        |                                                                   |                        |
| Reserva de marcha                                      |        | 4 años sin alimentación con pila de Lito no sustituible           |                        |
| Power reserve                                          |        | 4 years without power supply with non-replaceable Lithium battery |                        |
| Precisión de marcha                                    |        | ± 1 s / 24 h @ 23 °C mediante cristal de cuarzo                   |                        |
| Operating accuracy                                     |        | ± 1 s / 24 h @ 23 °C by quartz crystal                            |                        |
| Variación de la precisión con la Tª                    |        | < 0,15 s / °C / 24 h                                              |                        |
| Accuracy variation dependent on temperature            |        | < 0.15 s / °C / 24 h                                              |                        |
| Tipo de contacto                                       |        | NA NC                                                             |                        |
| Type of contact                                        |        | NO NC                                                             |                        |
| Material de contacto                                   |        | AgSnO <sub>2</sub>                                                |                        |
| Contact material                                       |        |                                                                   |                        |
| Poder de ruptura                                       |        | 2 x 16(10) A / 250 V AC                                           | 16(10) A / 250 V AC    |
| Switching capacity                                     |        |                                                                   |                        |
| Visualizador                                           |        | de cristal líquido                                                |                        |
| LCD                                                    |        | LCD                                                               |                        |
| Tiempo mínimo de maniobra                              | s      | 1                                                                 |                        |
| Minimum switching time                                 |        |                                                                   |                        |
| Precisión de la maniobra                               |        | al segundo                                                        |                        |
| Setting accuracy                                       |        | on second                                                         |                        |
| Número de circuitos                                    |        | 2 (libres de potencial)                                           | 1 (libre de potencial) |
| Number of circuits                                     |        | 2 (voltage free)                                                  | 1 (voltage free)       |
| Número de programas                                    |        | 32                                                                |                        |
| Number of programs                                     |        |                                                                   |                        |
| Periodos especiales (festivos)                         |        | 1                                                                 |                        |
| Holidays periods                                       |        |                                                                   |                        |
| Tipos de maniobra                                      |        | HORA FIJA (ON/OFF)<br>MANUAL<br>PULSOS (1 - 59 s)                 |                        |
| Types of switching                                     |        | FIXED TIME (ON/OFF)<br>MANUAL<br>PULSES ( 1- 59 s)                |                        |
| Bloqueo por teclado                                    |        | No                                                                |                        |
| Keyboard lock (PIN)                                    |        |                                                                   |                        |
| Contador de horas de encendido de canal                |        | No                                                                |                        |
| Channel operating hours counter                        |        |                                                                   |                        |
| Formato hora                                           |        | 24 H                                                              |                        |
| Hour format                                            |        |                                                                   |                        |
| Cambio verano/invierno                                 |        | Automático (UE)<br>Programable<br>Desactivado                     |                        |
| DST changes                                            |        | Automatic (EU)<br>Programmable<br>Disabled                        |                        |
| Tapa precintable                                       |        | Sí                                                                |                        |
| Sealable cover                                         |        | Yes                                                               |                        |
| Clase de protección                                    |        | II en condiciones correctas de montaje                            |                        |
| Protection class                                       |        | II in correct mounting conditions                                 |                        |

## DATA MICRO + DATA MICRO 2 +

|                                            |     |                             |  |
|--------------------------------------------|-----|-----------------------------|--|
| Grado de protección                        |     | IP 20 según EN 60529        |  |
| Degree of protection                       |     | IP 20 according to EN 60529 |  |
| Situación de contaminación                 |     | 2                           |  |
| Pollution degree                           |     | 2                           |  |
| Tipo de acción                             |     | 1S, 1T, 1U                  |  |
| Action type                                |     | 1S, 1T, 1U                  |  |
| Clase y estructura del software            |     | A                           |  |
| Software class and structure               |     | A                           |  |
| Tensión de impulso asignada                | kV  | 2,5                         |  |
| Rated impulse voltage                      |     | 2,5                         |  |
| Temperatura para ensayo de la bola         | °C  | +75 (21.2.5)                |  |
| Ball pressure test temperature             |     | +75 (21.2.5)                |  |
| Montaje del equipo                         |     | en rail DIN                 |  |
| Method of mounting control                 |     | on DIN rail                 |  |
| Número de módulos                          |     | 2                           |  |
| Module number                              |     | 2                           |  |
| Conexión                                   |     | borne de tornillo           |  |
| Connection                                 |     | screw terminal              |  |
| Sección de conductor                       | mm² | 4                           |  |
| Wire cross section                         |     | 4                           |  |
| Par máximo de apriete de tornillos         | Nm  | 0,8                         |  |
| Maximum torque for the screws              |     | 0.8                         |  |
| Temperatura de funcionamiento              | °C  | -10 ... +45                 |  |
| Operating temperature                      |     | -10 ... +45                 |  |
| Temperatura de transporte y almacenamiento | °C  | -20 ... +60                 |  |
| Transportation and storage temperature     |     | -20 ... +60                 |  |
| Peso neto                                  | g   | 160                         |  |
| Net weight                                 |     | 135                         |  |

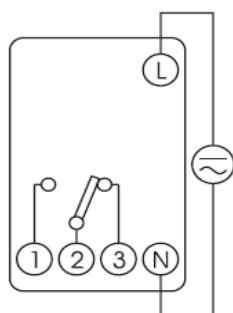
### Cargas máximas recomendadas (sólo contactos NA)

Maximum recommended load (NO contacts only)

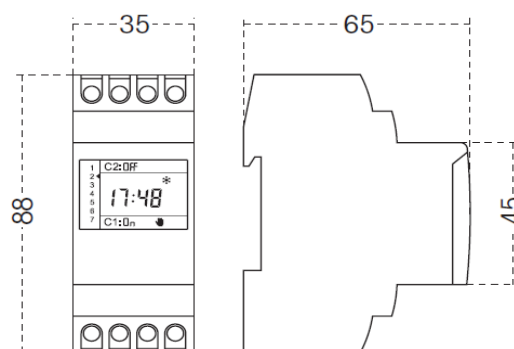
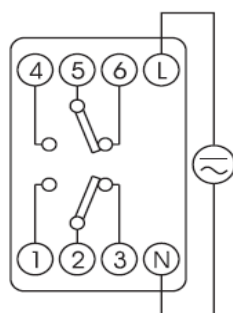
| Incandescentes                                                                      | Fluorescentes                                                                       | Halógenas baja tensión<br>(12 V c.a.)                                               | Halógenas (230 Vc.a.)                                                                | Lámparas bajo consumo                                                                 | Downlights                                                                            | LED                                                                                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Incandescent                                                                        | Fluorescent                                                                         | Low voltage halogen<br>(12 V AC)                                                    | Halogen (230 V AC)                                                                   | Low consumption lamps                                                                 | Downlights                                                                            | LED                                                                                   |
|  |  |  |  |  |  |  |
| 3000 W                                                                              | 1200 VA                                                                             | 2000 VA                                                                             | 3000 W                                                                               | 600 VA                                                                                | 400 VA                                                                                | 90 VA                                                                                 |

| Conexión       | Dimensiones exteriores |
|----------------|------------------------|
| Wiring diagram | Overall dimensions     |

DATA MICRO +



DATA MICRO 2+



Accesorios  
Accessories available

|                 |                 |                 |
|-----------------|-----------------|-----------------|
| Código<br>Code: | Código<br>Code: | Código<br>Code: |
| Código<br>Code: | Código<br>Code: | Código<br>Code: |

| Código<br>Code | DATA MICRO 2 + | DATA MICRO + |
|----------------|----------------|--------------|
| 230 V AC       | OB171912N      | OB172012N    |
| 120 V AC       | OB171942N      | OB172062N    |
| 48 V<br>AC/DC  | OB171952N      | OB172042N    |
| 24 V<br>AC/DC  | OB171962N      | OB172052N    |
| 12 V<br>AC/DC  | OB171972N      | OB172072N    |

|                                                  |                                                  |
|--------------------------------------------------|--------------------------------------------------|
| Marcado<br>Approvals and marking                 | CE                                               |
| Directivas de referencia<br>Reference Directives | 2004/108/EC; 2006/95/EC; 2006/66/EC; 2008/103/EC |
| Normas de referencia<br>Reference standards      | EN 60730-1:2011; EN 60730-2-7:2010               |

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