


**CP2: 2108/2108H 2108 Part number 87610340**


- \ 8 or 6-figure display, height 7 mm
- \ Totalizer:
  - 7 kHz and 40 Hz inputs
  - Max. counting capacity 99,999,999 impulses
- Hour counter/chronometer:
  - Start/stop/ inputs
  - 4 time ranges:
    - 99,999.9 hours - 99,999.9 min
    - 99,999.9 s - 99 h 59 min 59 s
  - Lithium battery powered
  - Reset either from front panel or remotely

| Type          | Description     |
|---------------|-----------------|
| 87610340 2108 | Impulse counter |

**Functions**

|  |   |
|--|---|
| Solid state input                      | ▪   |
| Display                                | 8 digits LCD (2108)<br>6 digits LCD (2108H)   |
| Height of digits                       | 7 mm  |
| Counting capacity                      | 0 to 99 999 999 (2108)  |
| Time ranges                            | (2108H) :<br>0 →99 999,9 h<br>0 →99 999,9 min<br>0 →99 999,9 s<br>0 →99 h 59 min 59 s |
| Time base                              | Quartz (precision ± 50 ppm)   |
| Possibility of reloading current value | ▪ (2108H)   |

**Volt-free contact**

|                            |  |
|----------------------------|--|
| Slow counting input (In.L) | 40 Hz<br>TOFF: 12 ms min<br>TON: 12 ms min<br>Current output: 52 µA max<br>Leakage current in OFF state 0.2 µA max<br>Residual voltage: 0.4 V max<br>Volt-free contact or transistor<br>NPN open collector |
| High-speed input (In.H)    | 7 kHz max<br>TOFF: 70 µs min<br>TON: 70 µs min<br>Level 0: 0 to 1 VDC<br>Level 1: 4 to 30 VDC<br>Current consumption: 6 mA max at 24 VDC   |
| Reset to zero              | Volt-free contact or transistor<br>NPN open collector:<br>12 ms min (2108)<br>100 ms min (2108)  |
| Reset via                  | Front panel  |
| Radiated field             | IEC 1000-4-3, level 3, 10 V/ M<br>26 MHz to 1 GHz  |
| fast transients            | IEC 1000-4-4, level 3, 1KV   |
| Damped oscillatory wave    | IEC 255.4, level 3, 1 KV   |
| Electrostatic discharge    | IEC 1000-4-2, level 3, 8 KV  |

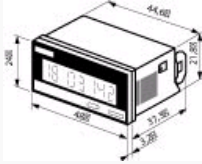
**Material**

|   |                         |
|---|-------------------------|
| Connection by screw terminals at rear of casing   | 5 terminals             |
| Connection capacity   | 2 x 1.5 mm <sup>2</sup> |
| Mounting  | By bracket              |
| Degree of protection front face   | IP 66                   |
| Operating temperature range (°C)  | 0 →+55                  |
| Storage temperature range (°C)  | -25 →+70                |
| Conformity to standards VDE 0110 - ICE 664 - ICE 348 - ICE 255.4 - ICE 255.5 - ICE 801.2- ICE 801.4 | ▪                       |
| Weight (g)  | 60                      |

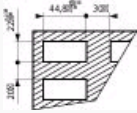
**1 lithium battery - Life (years)**

| Accessories  | Code     |
|--|----------|
| Adaptor for cut-out Ø 50 (dimensions Ø 73 mm)          | 26546829 |
| Adaptor for cut-out 45 x 45 mm (dimensions 52 x 52 mm) | 26546830 |

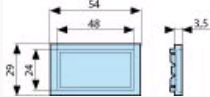
**Dimension Diagram :**



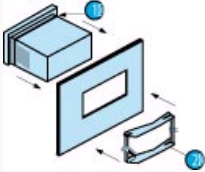
**Dimension Diagram : Panel cut-out**



**Dimension Diagram : Accessory 2108 - 2108H**

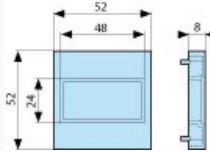


**Dimension Diagram :**

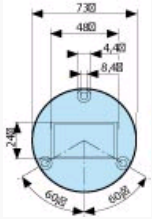


| N° | Legend         |
|----|----------------|
| 1  | Seal           |
| 2  | Fixing bracket |

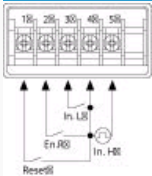
**Dimension Diagram : Accessory 2108 - 2108H**



**Dimension Diagram : Accessory 2108 - 2108H**

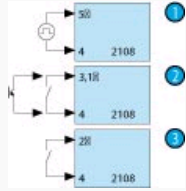


**: 2108**



| N° | Legend       |
|----|--------------|
| 1  | Reset input  |
| 2  | Enable reset |

|   |                     |
|---|---------------------|
| 3 | Slow counting       |
| 4 | 0V                  |
| 5 | High-speed counting |



| N° | Legend                        |
|----|-------------------------------|
| 1  | High-speed counting input     |
| 2  | Slow counting input and reset |
| 3  | Enable reset input            |