



## Time Counter H7ET-N1-B

URL:<https://www.sxplc.com/time-counter-h7et-n1-b>

## Product data sheet

|                                 |                                     |  |
|---------------------------------|-------------------------------------|--|
| Time counter                    | Time ranges                         | Increment (UP)   |
|                                 | Time ranges                         | 0 s to 999 h 59 min 59 s/0.0 min to 9999 h 59.9 min (selectable)   |
|                                 | Set value read selector             | ±100 ppm (25 °C)   |
|                                 | Minimum signal input width          | 1 s  |
|                                 | Reset system                        | External and manual reset  |
| Input                           | Input signal                        | Count input, Reset   |
|                                 | Input method                        | No-voltage input   |
|                                 | No-voltage input (No-contact input) | Short-circuit (ON) impedance: 10 kΩ max.<br>Residual voltage: 0.5 V max. (Actual performance 1.0 V)<br>Open circuit impedance: 750 kΩ min.                             |
| Reset time                      | External reset                      | 20 ms  |
|                                 | Manual reset                        | 20 ms  |
| Display                         | Display method                      | LCD  |
|                                 | Digits                              | 7 digit  |
|                                 | Character height                    | 8.6 mm (Black)   |
|                                 | Zero suppression                    | Equipped   |
| Key protection                  |                                     | Key protect Switch   |
| Ambient temperature (Operating) |                                     | -10 to 55 °C (with no freezing or condensation)  |
| Ambient temperature (Storage)   |                                     | -25 to 65 °C (with no freezing or condensation)  |
| Ambient humidity (Operating)    |                                     | 25 to 85 %   |
| Insulation resistance           |                                     | Between current carrying terminals and exposed non-current carrying metal parts: 100 MΩ min. (at 500 VDC)  |
| Dielectric withstand voltage    |                                     | Between current carrying terminals and exposed non-current carrying metal parts: 1000 VAC 50/60 Hz 1 min   |
| Impulse withstand voltage       |                                     | Between current carrying terminals and exposed non-current carrying metal parts: 4.5 kV  |
| Noise immunity                  |                                     | Between reset terminals: ±500 V<br>Between timer input terminals: ±500 V<br>square-wave noise by noise simulator (pulse width: 100 ns/1 μs, 1-ns rise)                 |
| Static immunity                 |                                     | ±8 kV (malfunction)  |
| Vibration resistance            |                                     | Destruction: 10 to 55 Hz, 0.375 mm single amplitude each in 3 directions for 2 h<br>Malfunction: 10 to 55 Hz, 0.15 mm single amplitude each in 3 directions for 10 min |
| Shock resistance                |                                     | Destruction: 300 m/s <sup>2</sup> , 3 times each in 6 directions<br>Malfunction: 200 m/s <sup>2</sup> , 3 times each in 6 directions                                   |
| Degree of protection            |                                     | Case front: IP66, NEMA 4 (indoors), and UL Type 4X (indoors)   |
| External input terminal         |                                     | Screw terminal   |
| Case color                      |                                     | Black (Munsell N1.5)   |

