

**βU 1011
ALARM GENERATOR**

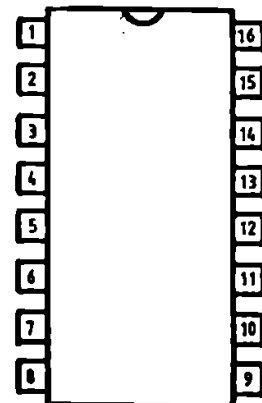
The βU 1011 is a general purpose alarm generator, used to detect and signalise dangerous events like : fire, smoke, liquid presence (absence), robberies.

This IC has a modular structure, containing : 2 voltage comparators connected through an AND-OR logic circuitry, 2 buffers with 100 mA output sink (source) capability, a 7.3 V ZENER reference and an operational amplifier.

Features

- Operating temperature -25 ... +85 °C
- Storage temperature -55 ... +125 °C
- Supply voltage 8 ... 20 V
- Low level output voltage at 100 mA max. 2 V
- Op. amp. offset voltage max. 10 mV
- Op. amp. open loop gain typ. 100000 -

- | 1. RC input
- | 2. IP, programmable bias current
- | 3. Oscillator output
- | 4. 1-st treshold input
- | 5. O.A. non-inverting input
- | 6. O.A. inverting input
- | 7. Alarm output
- | 8. O.A. output
- | 9. O.A. frequency compensation
- | 10. V+ power supply
- | 11. Buffer output
- | 12. Buffer input
- | 13. OR input
- | 14. GND
- | 15. 2-nd treshold input
- | 16. ZENER reference



PACKAGE MP-117 / TOP VIEW