

# Documentation for the timer module

**Version:** 1.0

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This module contains utility timer routines.

## Summary

<a href="#">doPeriodically</a>	Defines a subroutine that should be executed periodically.
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## Details

### doPeriodically

Defines a subroutine that should be executed periodically. The starting address of the subroutine is specified in register IX and the number of clock cycles between invocations is specified by the 16-bit unsigned number in Accumulator D.

Timer 5 is used and may not be used by the application for other purposes. The routine can be called whether interrupts are masked or unmasked. This setting of the I-bit is restored when this setup subroutine returns. Of course, the I-bit must be cleared before the specified function will run periodically.

Another subroutine can be specified in subsequent calls. If the specified subroutine starts at address 0, nothing happens and periodic OC5 timer interrupts are disabled.

#### Parameters:

AccD Number of E-clock cycles between invocations

IX Starting address of subroutine.

#### Returns:

Nothing

#### Side effects:

none