



## ***Linux Ubuntu 22.4.5 Manual Pages on command 'IO::Async::Timer.3pm'***

***\$ man IO::Async::Timer.3pm***

IO::Async::Timer(3pm) User Contributed Perl Documentation IO::Async::Timer(3pm)

### NAME

"IO::Async::Timer" - base class for Notifiers that use timed delays

### DESCRIPTION

This module provides a subclass of IO::Async::Notifier for implementing notifiers that use timed delays. For specific implementations, see one of the subclasses:

- ? IO::Async::Timer::Absolute - event callback at a fixed future time
- ? IO::Async::Timer::Countdown - event callback after a fixed delay
- ? IO::Async::Timer::Periodic - event callback at regular intervals

### CONSTRUCTOR

new

```
$timer = IO::Async::Timer->new( %args )
```

Constructs a particular subclass of "IO::Async::Timer" object, and returns it. This constructor is provided for backward compatibility to older code which doesn't use the subclasses. New code should directly construct a subclass instead.

mode => STRING

The type of timer to create. Currently the only allowed mode is "countdown" but more types may be added in the future.

Once constructed, the "Timer" will need to be added to the "Loop" before it will work. It will also need to be started by the "start" method.

## METHODS

is\_running

```
$running = $timer->is_running
```

Returns true if the Timer has been started, and has not yet expired, or been stopped.

start

```
$timer->start
```

Starts the Timer. Throws an error if it was already running.

If the Timer is not yet in a Loop, the actual start will be deferred until it is added. Once added, it will be running, and will expire at the given duration after the time it was added.

As a convenience, \$timer is returned. This may be useful for starting timers at construction time:

```
$loop->add( IO::Async::Timer->new( ... )->start );
```

stop

```
$timer->stop
```

Stops the Timer if it is running. If it has not yet been added to the "Loop" but

there is a start pending, this will cancel it.

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IO::Async::Timer(3pm)