NAME
rwmtx_timedrdlock - attempt to acquire a read lock with timeout

SYNOPSIS
library "threads"
#include <threadse.h>

int
rwmtx_timedrdlock(*rwmtx_t *rw*, *const struct timespec *ts*);

DESCRIPTION
The function **rwmtx_timedrdlock**() will acquire a timed read lock on the given *rw*. If the lock can not be acquired at this time the function will wait up to time time specified by *ts* before giving up.

A thread can hold multiple read locks at the same time, rwmtx_unlock(3) must be called for each acquired lock.

RETURN VALUES
Upon success **rwmtx_timedrdlock**() will return *thrd_success* if the lock could not be acquired in time *thrd_timeout* will be returned. In case of error *thrd_error* will be returned.

SEE ALSO
rwmtx_init(3) rwmtx_destroy(3) rwmtx_rdlock(3) rwmtx_wrlock(3) rwmtx_trywrlock(3) rwmtx_tryrdlock(3) rwmtx_timedwrlock(3) rwmtx_unlock(3)

HISTORY
The **rwmtx_timedrdlock**() function first appeared in the Adelsbach Enhanced Threading Library.

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