

## Set an alarm

OS9 F\$Alarm 103F 1E

Sets an alarm to ring  
the bell at a specified  
time

*Not Privileged; actually a user*

*call  
to*

### Entry Conditions:

- X = relative address of a 6-byte time packet  
(YYMMDDHHMMSS)  
(not needed if D=0000)
- D = operation to perform (A:B=D)
- A = 00
- B = Function
- 00 = clear the setting
- 01 = cause the alarm to "beep" for 16 seconds  
after system time matches the time packet  
sent
- 02 = inquire alarm settings
- or
- A = process id to signal on time match
- B = signal to end on time match

### Exit Conditions: (if D=0002 on entry)

- X = address of current alarm setting packet returned (same  
address that was passed)
- A = process to receive signal on match
- B = signal to be sent on time match

### Error Output:

- CC = carry set on error
- B = appropriate error code

### Additional Information:

- When the system reaches the specified alarm time, it rings the bell for 16 seconds or sends the specified signal.
- The time packet is identical to the packet used in the F\$STime call. See F\$STime for additional information on the format of the packet.
- All alarms begin at the start of a minute and any seconds in the packet are ignored.
- The system is limited to one alarm at a time.