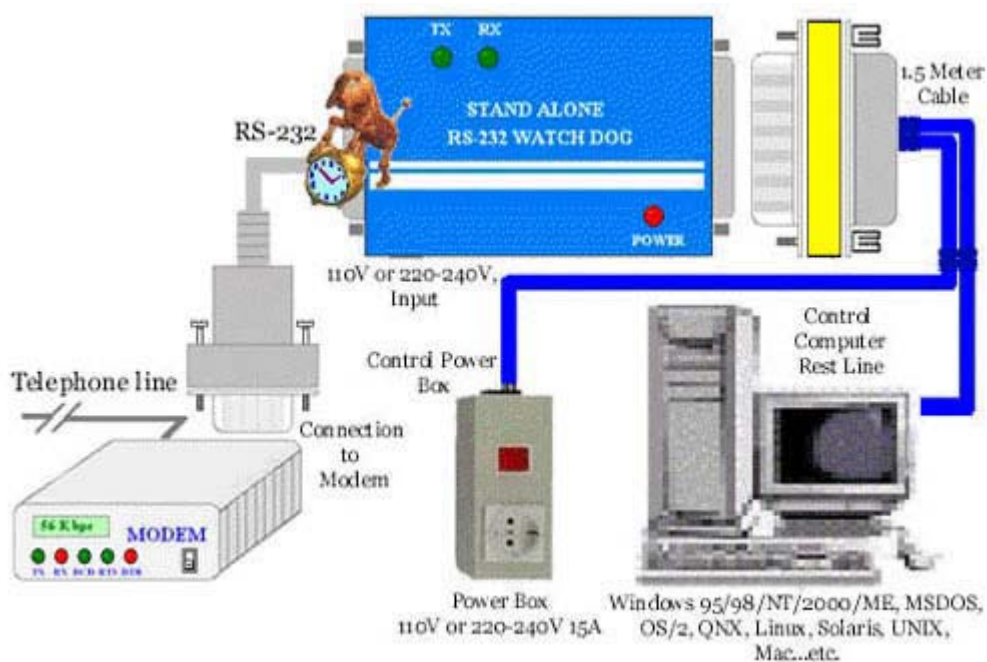


# PCI WATCHDOG TIME CARD

## Stand Alone Watchdog

### STAND ALONE RS-232 WATCHDOG



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## INTRODUCTION

The standalone RS232 watchdog box is your systems and peripheral applications protector! RS232 Watchdog box provides user selectable refresh timer to be used inside your PC, which prevents the computer to hang by automatically resetting the system of your computer, it is also monitoring RS232 control lines and detecting ring indicator signal from MODEM, which prevents the computer and peripheral to hang by automatically resetting your computer and peripherals.

The RS232 watchdog box is an external device that connect between your computer and MODEM, when the RS232 watchdog box is enable, the system software, application program or MODEM must refresh watchdog before selected time slice is reached, otherwise the computer will be reset, and the power of power control box that connects to peripheral devices will also be reset. To refresh watchdog timer, there are three modes can be selected, one is command check mode which requires application program to use command to refresh watchdog timer; Second is communication check mode which refresh watchdog timer automatically while Transmit Data(TxD), Data Terminal Ready(DTR), and Request To Send(RTS) signals are activated; Another is ring check mode which reset system automatically if ring no answer is detected after preset ring count.

In the distribution diskette, we provide software for MS/DOS, Linux, Unix, Windows/95, Windows/98, Windows/NT4.0 workstation, and Windows/2000 operating systems.

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### The features of the stand alone RS232 watchdog box are:

<b>Plug and play features for easy installing.</b>
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<b>User can monitoring communication signals without write any program.</b>
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<b>Provides user selectable refresh timer.</b>
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<b>Monitoring the RS232 control lines (TxD, DTR, RTS) activity. The system will be reset if no RS232 signals activity during preset refresh time.</b>
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<b>Monitoring the Ring Indicator (RI) signal. The system will be reset if ring no answer is detected after preset ring count.</b>
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<b>When the application program or computer system does not generate refresh signal, the computer will be reset automatically.</b>
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<b>Provides command check mode to control watchdog from computer side.</b>
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<b>Provides user selectable power on delay timer to let computer start monitor system until complete booted.</b>
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<b>The maximum distance of RG59 cable from watchdog box to power control box is up to 5m.</b>
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<b>Available with 110V and 240V (10A) Plug type UK, Europe, USA and Austria type selectable for extension power control box.</b>
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<b>Suitable for MS/DOS, Linux, Unix, Windows/95, Windows/98, Windows/NT, Windows/2000 operating systems.</b>
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## Applications

On industrial application, lots of computers are automatically operating itself once the power turns on. In case the application got hang surely the computer and its operation hang also. If you don't boot your computer again it will not go back to its regular operation, but not with the watchdog! Because once the watchdog was not refresh, it will reset the computer automatically! While using your computer, unexpectedly your modem got hang. One way of connecting it again is to switch off then turn on your modem to continue on working. But now, it's the new way around, RS232 watchdog box will be automatically reset the modem power or computer system. It will protect your application software system.

If your RS232 device hang, RS232 watchdog box will automatically reset the device. It let your device alive again.

## The Difference between Watch Dog Adapter and Stand Alone RS232 Watch Dog Box

The advantage of standalone RS232 watchdog box over the watchdog I and II is that the standalone watchdog box has an RS232 control lines monitor features, it also provides command check mode to let user program can control RS232 watchdog box directly. User can also reset the power of power control box by RS232 watchdog box directly, without reset whole the computer system.

When you set to communication check mode or ring check mode for standalone RS232 watchdog box, you need not write any program, just plug and play it.



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