



12.08.2012

*PC-840-2 Pull Cord
Operational Description*

The Pull Cord Station is a small, wall-mounted device, installed at the bedside or in the lavatories of care centers. If a Resident needs assistance, the Pull Cord Station can be activated to alert care center staff members. The Pull Cord Station can be connected to a variety of triggers and alert devices.

The device comprises a printed circuit board (PCB) that includes a RF transceiver module with an integral antenna, RFID reader with RFID antenna and a microcontroller that controls its operation.

The PC-840-2 has one RF channel (318MHz or 433MHz) over which it communicates with its monitoring system.

The PC-840-2 has RFID reader to read 13.56MHz RFID tags included in NTT.

The unit is powered by an external power 12- 24 VDC and an internal 3.6V Lithium battery. When external power is off device continue work whit internal battery but in this case RDIF reader does not work.

Once installed and activated the device transmit once every hour supervision signal, including data (e.g. battery ok) in order to indicate that the transmitter is functionally. The total duration of transmissions does not exceed more than one second per hour: 1 transmissions per Hour X 6 mSec (max.) = 0.006 seconds

The PC – 840 transmit alarm message in case when the pull cord mechanism is pulled down or external push cord button is pressed. In this mode device transmit RF message once every approximately 18-22 seconds.

This will go on until device will pull up by a nurse or Stuff.