

Assistive Control Adaptor

AC20

Many individuals with limited dexterity experience difficulty using traditional devices to call the nurse, control the television, or adjust lighting.

Working closely with a team at Madonna Rehabilitation Hospitals, and inspired by their First Hope technology, we designed the AC20 Assistive Control Adaptor. The AC20 is a medical device per the FDA and meets all compliance requirements including UL 1069. It gives patients lacking hand control the ability to use sip-and-puff devices, button switches, or other types of sensors to call the nurse, control the TV, adjust lighting, and even open shades and drapes.*

Each device is configured individually for the patient and the type of switch that will be used, giving the patient the ability to navigate through menus and select options.

With the AC20, what previously required a visit from hospital staff can now be performed independently by the patient.



* The ability to control room features such as lights and shades is dependent on the existing capabilities of your nurse call system.

“After a devastating injury or illness, many patients lose their sense of independence and control. Activities once performed effortlessly, may only be possible with the assistance of others. This device helps individuals start to see the things they can control — it gives them back a sense of independence.”

— Judith M. Burnfield, PhD, PT (Madonna Rehabilitation Hospitals, Director, Institute for Rehabilitation Science and Engineering)



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FUNCTIONALITY

Shown here are screens that the patient will see when calling the nurse, and controlling lights and the television..



For safety and security, the "Call the Nurse" option is present on every screen. Once the call is initiated, the patient has the option to cancel the call.



If the lights are connected to the nurse call system, the patient can turn lights on and off.



The system can be configured to allow entry of a specific channel, saving the patient from having to cycle through all available channels to get to the one they want.

THE SYSTEM



The Display Module mounts within view of the patient and provides access to nurse call, TV controls, and room controls.

- ▶ The 4.3" LCD screen displays a menu that can be configured by your staff through which the patient selects various nurse call, entertainment, and room options
- ▶ Contains the speaker, headphone jack, and microphone used for communications with the nursing staff, as well as for entertainment audio
- ▶ Plugs into the Base Module, which supplies its power and connection to room devices and systems



The Base Module mounts on the head wall or to an IV pole (pictured at right), and provides control signals to the nurse call system and other hospital and entertainment systems.

- ▶ Powered by the included power supply
- ▶ Breath-actuated devices or other specialty call cords are connected to the two 1/4" jacks and two 1/8" jacks
- ▶ Buttons allow the caregiver to operate the system

MOUNTING



The Display Module can be mounted in the bed side rail (pictured above), or the entire system can be mounted to an IV pole for easy portability from room to room.



INPUT DEVICES

A wide variety of input devices can be used, including these from Curbell.

