Interfacing Sapling's 3300 Series Digital Clock with a Nurse Call System

Code Blue is generally used within hospitals to indicate that a patient requires resuscitation or is in need of immediate medical attention. When a Code Blue is triggered, time is of the essence. Being able to focus solely on the patient in need is vital to providing the appropriate emergency care. Interfacing your nurse call system with a Sapling 3300 Series digital clock during a Code Blue or other emergencies is an excellent choice for modern healthcare facilities. This interface allows the nurse call system to trigger a count up command that is displayed on the 3300 digital clock via a contact closure. This ability reduces steps in emergency situations, increases accuracy and can eliminate delays in the activation of a count up.

Listed below are a few reasons why healthcare facilities would benefit by interfacing their nurse call system with Sapling's 3300 Series digital clocks:

Improves Patient Safety

- Automatically starts a count up when the nurse call system is triggered, saving precious seconds at a critical time
- Provides caregivers with vital information about how long a patient has been at Code Blue status
- Increases accuracy and reliability when the process is completely automated

Drives Efficiency

- Helps deliver efficient, high quality care
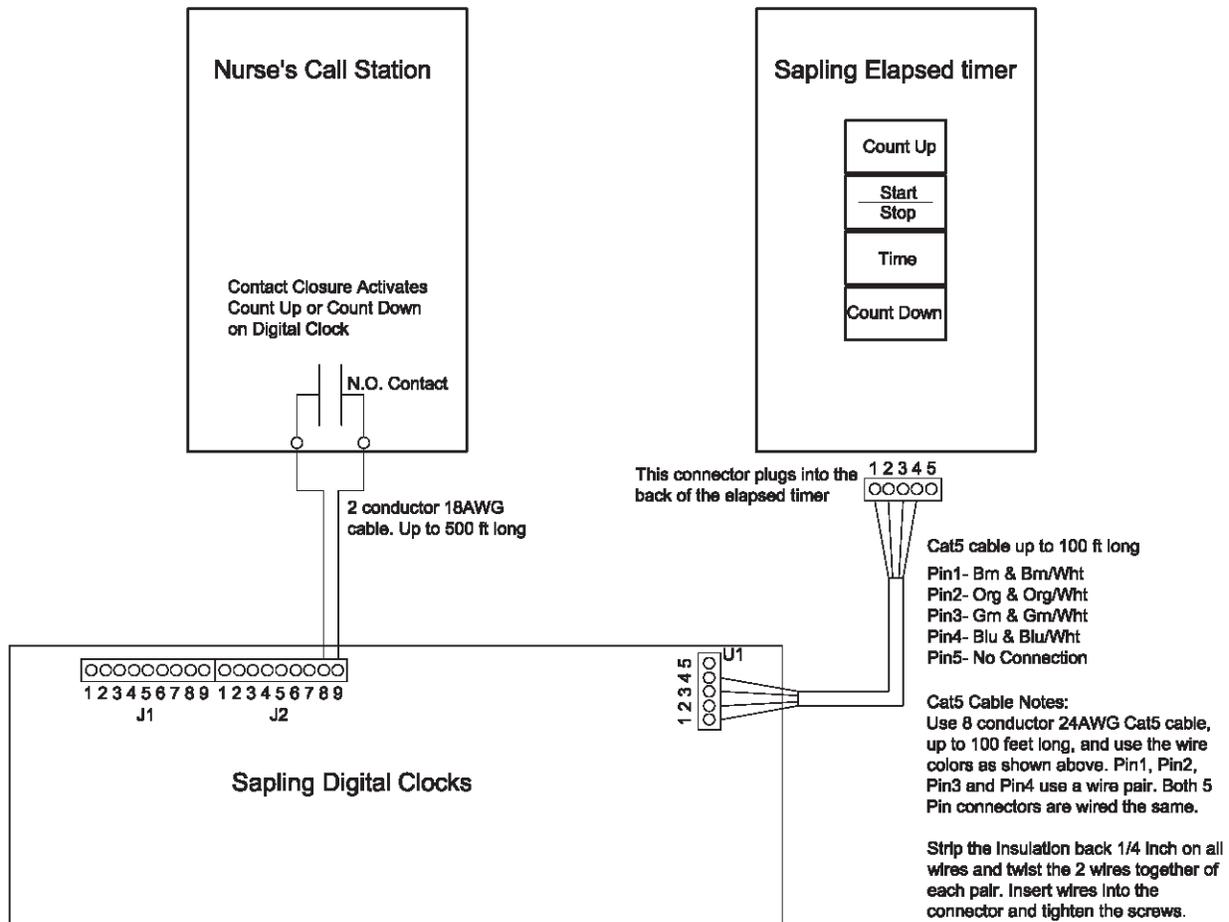- Assists in keeping track of how long it took staff to respond to an emergency

Improves Patient Satisfaction

- Enables a seamless process where a caregiver does not need to manually start the elapsed timer, avoiding delay in the activation of the count up
- Helps provide enhanced caregiver responsiveness in an environment that is more conducive to providing a better overall experience

How It Interfaces:

The diagram below shows how the 3300 Series digital clock interfaces with a nurse call system.

Nurse's Call Station

Contact Closure Activates
Count Up or Count Down
on Digital Clock

N.O. Contact

2 conductor 18AWG
cable. Up to 500 ft long

1 2 3 4 5 6 7 8 9   1 2 3 4 5 6 7 8 9
        J1   J2

Sapling Digital Clocks

Sapling Elapsed timer

Count Up

Start
Stop

Time

Count Down

This connector plugs into the
back of the elapsed timer

1 2 3 4 5

1 2 3 4 5   U1

Cat5 cable up to 100 ft long

Pin1- Brn & Brn/Wht
Pin2- Org & Org/Wht
Pin3- Grn & Grn/Wht
Pin4- Blu & Blu/Wht
Pin5- No Connection

Cat5 Cable Notes:
Use 8 conductor 24AWG Cat5 cable,
up to 100 feet long, and use the wire
colors as shown above. Pin1, Pin2,
Pin3 and Pin4 use a wire pair. Both 5
Pin connectors are wired the same.

Strip the insulation back 1/4 inch on all
wires and twist the 2 wires together of
each pair. Insert wires into the
connector and tighten the screws.

Sapling's 3300 Series digital clock model is capable of interfacing with both an Elapsed Timer Control Panel for manual activation of a count up (or count down), as well as a nurse call system which will trigger the count up automatically.

What You Need:

In order to program the 3300 digital clock to interface with the nurse call system it requires the USB Interface Kit accessory (Part #: D-USB485-INTF-1). This kit allows you to program the relay that is in the 3300 Series digital clock. A user only needs one programming cable in order to program multiple clocks. IP Clocks can be programmed using the built-in web interface and, as such, do not require the USB Programming Cable.

Compatibility:

Our 3300 Series digital clock has the capability to receive multiple contact closure inputs from a wide range of third party systems, including a healthcare facility's nurse call system. Please consult your nurse call system manual to ensure this option is available.

The ability to interface with a nurse call system is offered with all of Sapling's systems, including Wired, Wireless, TalkBack Wireless and IP.

Code Blue and other urgent situations require fast action and attention. Knowing how long a patient has been in cardiac or respiratory distress and how long it took a staff member to reach them canmake all the difference in the outcome. Interfacing your nurse call system with a Sapling 3300 Series digital clock can help your nurses deliver better care in less time.

For more information, please contact a Sapling representative.