Economic

System

Technical Specification

SINCRON

SUMMARY

DESCRIPTIVE

This is the most economical equipment among the Syncron systems. With the minimum recommended configuration, the Economic System has the basic bed nurse call button and has the option of registering the presence of the nursing professional in the bed. In its two versions, Essential and Supreme, it is possible to choose different designs and features. With the Digital Central and the Syncron Software, it is possible to record the duration of each call and the monitoring screen shows the events in real time. Integrable with Hospital Management Systems and pagers.

Manufactured according to the Technical Norms of ABNT (Brazilian Association of Technical Standards) - NBR - 5410 and the ANVISA (National Health Surveillance Agency) - RDC - 50.
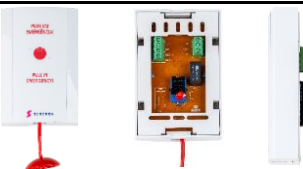
1. SYSTEM COMPOSITION

1		ESSENTIAL AND SUPREME	**ECONOMIC BED STATION COD. EC064** *OVERLAY INSTALLATION IN 4X2" BOX* *(for fixing in a 4x4 inch box, cod. 15166 finish is required)*
2 / 2.1		ESSENTIAL	**PATIENT BUTTON COD. PD059 (WITHOUT LED AND DISCONNECT DEVICE)**
2 / 2.2		SUPREME	**PATIENT BUTTON COD. PD060 (WITH LED AND DISCONNECT DEVICE)**
3		ESSENTIAL AND SUPREME	**BATH STATION WITH CORD COD. PD058** *INSTALAÇÃO SOBREPOSTA EM CAIXA 4X2"* *(for fixing in a 4x4 inch box, cod. 15166 finish is required)*
4		ESSENTIAL AND SUPREME	**LED DOOR SIGN COD. PD071** *INSTALAÇÃO SOBREPOSTA EM CAIXA 4X2"* *(for fixing in a 4x4 inch box, cod. 15166 finish is required)*
5		ESSENTIAL	**NURSING STATION CENTRAL - 64 POINTS CÓD. PD034**
6		SUPREME	**DIGITAL ALPHANUMERIC NURSING CENTRAL - 70 POINTS COD. PD019**
7		ESSENTIAL AND SUPREME	**POWER SUPPLY 12VDC 5A COD. PD013**
8		ESSENTIAL AND SUPREME	**PATIENT BUTTON HOLDER COD. 15185**
9		ESSENTIAL AND SUPREME	**FINISHING 4X4" COD. 15166**
10			**CALL TIME REGISTRATION SOFTWARE AND MONITORING SCREEN**

2. ALARMS AND HARDWARE SERVICES

	BUTTON ACTIVATION	HOW THE ACTIVATION IS PERFORMED	DOOR SIGN	NURSING STATION BOARD
BED NURSE CALL BUTTON	Patient	By the patient button	**CONTINUOUS RED LIGHT**	Visual and audible alarm
BATH NURSE CALL BUTTON	Patient	By the cord	**CONTINUOUS RED LIGHT**	Visual and audible alarm
PRESENCE IN BED	Nursing staff	By the red button on the bed station	**CONTINUOUS GREEN LIGHT**	

3. PRODUCT DESCRIPITON

3.1 ECONOMIC BED STATION

When the patient button is pressed, it sends a signal to the door signal and to the Central of the Nursing Station, informing the room / bed, in addition to triggering an audible signal.

Events and services: Bed Assistance Call; Bed Presence.

Technical description:	• Visual identification of call. • Call cancel button; • Discrete Communication with the Central Nursing Station; • 1 x RJ11 Connection with Patient Button; • White color; • Material: ABS; • Dimensions 4x2 (H=120mm x W=80mm x D=26mm); • Dimensions 4x4 (H=120mm x W=130mm x D=26mm).

3.2 MOUNTING FORMS

The bed station is manufactured for overlapping fixing in a 4x2 inch box (for fixing in a 4x4 inch box, cod. 15166 finish is required)
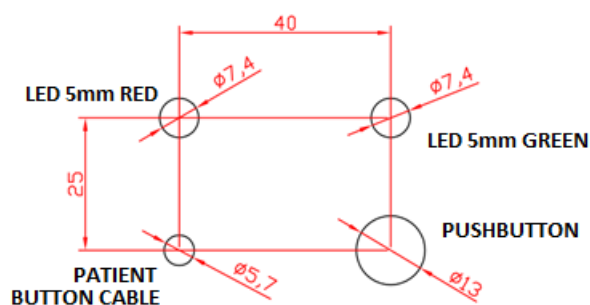
For fixing on a medical gas outlet linen, it is necessary to inform at the time of purchase and the gas outlet linen must have a hole according to the drawing below:

3.3   PATIENT BUTTON

They are light, water resistant and have an anatomical design. With a simple click, the patient activates the central of the nursing station.

Essential version: Without LED and disconnect device.

Technical description:	• Ergonomic shape; • 1.80m cable • RJ11 Connector - Connection to the Bed Station; • Waterproof; • White color; • Material: ABS; • Dimensions (H=70mm x W=40mm x D=40mm).

Supreme version: With LED and disconnect device

Technical description:	• Ergonomic shape; • Visual call identification; • 1.80m cable with Din-5 connector for easy disconnection, in case of cable tensioning; • RJ11 Connector - Connection to the Bed Station; • Waterproof; • White color; • Material: ABS; • Dimensions (H=70mm x W=40mm x D=40mm).

3.4 BATH STATION WITH CORD

Its drive is carried out through a PVC red cord. The cord should be as close as possible to the floor to facilitate activation in the event of a patient's fall.

Overlapping fixing in a 4x2 inch box (for fixing in a 4x4 inch box, cod. 15166 finish is required).

Technical description:	• Visual identification of call. • Call cancel button; • Discrete Communication with the Central Nursing Station; • Red PVC cord; • White color; • Material: ABS; • Dimensions 4x2 (H=120mm x W=80mm x D=26mm); • Dimensions 4x4 (H=120mm x W=130mm x D=26mm).

3.5 LED DOOR SIGN

It can be installed over the door or on the ceiling, it has 2 colors of LEDs in high brightness, red and green.

Essential version: *Overlapping fixing in a 4x2 inch box (for fixing in a 4x4 inch box, cod. 15166 finish is required).*

Technical description:	• Wall or ceiling mounted; • It has 2 colors of LEDs in high brightness, red (5400 mcd) and green (5400 mcd); • White color; • Material: ABS and milky PC; • Dimensions 4x2 (H=120mm x W=80mm x D=31mm); • Dimensions 4x4 (H=120mm x W=130mm x D=31mm).

3.6 NURSING STATION CENTRAL – 64 POINTS

Audible and visual sign, accepts logo customization and room / bed identification. *Overlapping fixing.*

Technical description:	• Accepts Logo customization; • Visual and audible alarm; • Discrete communication with 64 entry points; • Installed in a built-in 4x2 or 4x4 box. • White color; • Material: PSAI; • Dimensions (H=212mm x W=265mm x D=70mm).

3.7   DIGITAL ALPHANUMERIC NURSIN CENTRAL – 70 POINTS

Reading range of 20 meters, beeps and accepts customization up to 8 characters. Its main differential is the communication for recording calls in software through a computer. When there are no calls, it shows clock and calendar.

Technical description:	• Visual and audible alarm; • Long reading range of the display; • Accepts Personalization of 8 alphanumeric characters; • RS-485 Communication port; • Discrete communication with 70 entry points; • Color: White and red; • Material: PSAI and transparent CAST; • Dimensions (H=75mm x W=575mm x D=40mm).

3.8   POWER SUPPLY 12VDC 5A COD. PD013

110-240VAC input, automatic selection 2A 50 / 60Hz. Output 12VDC 5A. Measures in the image below (in mm).

Technical description:	• Maximum output current 5A; • Frequency 50 / 60Hz; • 60W output power; • Automatic bi-volt; • Input 96 - 264v 2.2A; • Maximum output voltage 12V; • Protection against short circuit at the output and overload; • Black color; • Material: ABS; • Dimensions (H=180mm x W=140mm x D=111mm).

3.9   CALL TIME REGISTRATION SOFTWARE AND MONITORING SCREEN

The software will record the time the patient pressed the button until the moment when the nurse activated the presence in the bed.

The Software has the SIncron monitoring screen, which simultaneously shows all events occurring.

Technical description:	Hardware: • Dual Core processor • 2GB RAM memory • 2GB HD available Software used: • Apache 2.4 webserver • MySQL Database 5.6 • PHP 5.5.22 script interpreter Validated Web Browser: • Firefox • Chrome • Safari • Opera