

## Description

The CMS-2000 Central Monitoring Station provides instant status verification for up to eight rooms, eight fume hoods, or a combination of rooms and hoods. You can use the CMS-2000 as a nurse station annunciator, or to monitor multiple spaces in large laboratories.

The CMS-2000 creates a centralized location to easily access critical information like room pressure, isolation mode, exhaust air flow, face velocity, and alarm status of multiple spaces and fume hoods. If a monitored parameter goes outside its prescribed range, it activates an audible and visual alarm that alerts staff to the alarm condition. Users can access vital information on a single screen to quickly make informed decisions. This ensures that critical spaces are safe for occupancy.

The CMS-2000 features the 360° Safety Halo edge lighting, which you can use to monitor status down long corridors with a simple glance. The green, yellow, and red visual alarms also help to reduce audible alarm fatigue because you can silence the audible alarm with the tap of a finger.

The CMS-2000 communicates on its own subnet with the FMS-2000C and HMS-1655 family of controllers.

**Note:** The CMS-2000 does not monitor the FMS-2000M Critical Environment Monitor.

## Features and benefits

Table 1: Features and benefits

Features	Benefits
<b>Communications</b>	The CMS-2000 communicates on its own subnet with the FMS and HMS family of controllers. It does not monitor the FMS-2000M.
<b>Visual alarm</b>	360° Safety Halo illuminated edge which helps you monitor spaces down long corridors
<b>Audible alarm</b>	Audible alarm that you can silence with the tap of a finger to reduce alarm fatigue
<b>Intuitive UI design</b>	Intuitive user interface for fast and easy setup
<b>Display</b>	Thin 0.58 in (14.73 mm), full color 5 in. (127 mm) diagonal, high definition (720 px x 1280 px) touch screen display that works with rubber, nitrile and latex gloves
<b>Non-volatile memory</b>	Retains user settings in case of a power outage
<b>Password protection</b>	Two access levels to prevent unauthorized access
<b>Multilingual</b>	Offers a user interface that is translated to 18 languages
<b>Inbuilt tutorial video</b>	End user demonstration video accessible from the QR code on the display

## Applications

- Airborne infection isolation rooms - negative pressure
- Protective environment isolation rooms - positive pressure
- Airborne infection isolation rooms and protective environment isolation room with an anteroom
- Operating rooms
- Compounding pharmacies
- Intensive care units
- Laboratories and vivariums
- Burn units
- Bronchoscopy suites
- Mortuary preparation rooms or autopsy rooms
- Data centers
- Laundry areas, food prep, construction

## Ordering guide

The product ordering codes are used to order the CMS-2000 Central Monitoring Station and mounting hardware. The product code matrix describes the features included in the CMS-2000 product order code.

Table 2: Product code matrix

Feature	Code letter or number and description	Product code number example: CMS2-TB
Brand	Triatek	N/A
Unit	CMS = Central Monitoring Station	CMS
Series	2000	2
Mounting style	T = Thin mount for shallow wall cavities	T
Color	B = Black	B

Table 3: CMS-2000 product ordering code

Ordering code	Description
CMS2-TB	Triatek Central Monitoring Station 2000, thin mount for shallow wall cavities, black color

Table 4: Mounting hardware product ordering codes

Ordering code	Description
RFINMT-2	Rough-in box for new constructions with uninstalled walls
RTROMT-2	Retrofit ring with walls already installed

## Suitable transformers

The following table lists the transformers that meet the requirements for the CMS-2000 Central Monitoring Station.




Table 5: Y65T and Y63T transformers

Ordering code	Primary voltage (VAC)	Secondary voltage (VAC)	Primary connection	Secondary Connection	Mounting	Agency requirement
Y65T31-0	120/208/240	24	Male fitting 8 in. primary leads	Three screw terminals (one is blind)	Foot 4 in. x 4 in. (101.6 mm x 101.6 mm) plate	cULus Class 2
Y65T31-0G	120/208/240	24	Male fitting 8 in. primary leads	Three screw terminals (one is blind)	Foot 4 in. x 4 in. (101.6 mm x 101.6 mm) plate	cULus Class 2
Y65T42-0	120/208/240	24	Common male fitting 8 in. primary leads	Common male fitting 8 in. secondary leads	Hub 4 in. x 4 in. (101.6 mm x 101.6 mm) plate	cULus Class 2
Y65T54-0	120/208/240	24	8 in. primary leads	8 in. secondary leads	Foot-skeleton	cULus Class 2
Y63T22-0	120/208/240	24	End bell hole 8 in. primary leads	End bell hole 8 in. secondary leads	4 in. x 4 in. (101.6 mm x 101.6 mm)	cULus Class 2

**Note:** Some applications may require a plenum rated box. Do not power more than one device with a single transformer.

■ Technical specifications

Table 6: Technical specifications

Specification		Description
Intended use		Indoor use
Overvoltage category		II
Monitoring capability		Up to eight FMS-1655, FMS-2000C Critical Environment Controllers or HMS-1655 Fume Hood Controllers.
Operating temperature		32°F to 104°F (0°C to 40°C)
Operating humidity		10% to 95% relative humidity, non-condensing
Mounting		Thin mount for shallow wall cavities
Alarm indication		Audible and visual 360° Safety Halo illuminated edge
Alarm silence		Touchscreen, auto-reset
Password protection		Two access levels to prevent unauthorized access
Power requirement		24 VAC (nominal, 21.6 VAC minimum/26.4 VAC maximum), 50/60 Hz 30 VA power supply, Class 2, Limited Energy, LPS isolated power supply, or minimum power 30 VA transformer.
Power consumption		24 VA maximum
Pollution degree		2
Display resolution		720 pixels x 1280 pixels
Pluggable screw terminal blocks		18 AWG to 22 AWG (1 mm to 0.6 mm diameter)
Display dimensions (height x width x depth)		5.3 in. x 3.5 in. x 1.17 in. (134.62 mm x 88.9 mm x 29.72 mm)
Mounted depth		Thin mount: 0.58 in (14.73 mm)
<b>Compliance</b>   	<b>United States</b>	UL Listed (E515759) to UL 61010-1; FCC 47CFR Part 15
	<b>Canada</b>	cUL Listed (E515759) to CAN/CSA C22.2 NO. 61010-1; ICES-003
	<b>Europe (CE)</b>	Low Voltage Directive [2014/35/EU] per EN 61010-1 EMC Directive [2014/30/EU] per EN 61326-1 + EN 55011
	<b>United Kingdom (UKCA)</b>	Electrical Equipment (Safety) Regulations per EN 61010-1 EMC Regulations per EN 61326-1 + EN 55011
	<b>International Standards</b>	Product fulfills the requirements of IEC 61010-1 as recognized by national or regional authorities.

## ■ North American Emissions Compliance

### United States

This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when this equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference, in which case users will be required to correct the interference at their own expense.

### Canada

This Class (A) digital apparatus meets all the requirements of the Canadian Interference-Causing Equipment Regulations.  
Cet appareil numérique de la Classe (A) respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

## ■ Repair information

If you purchased a service agreement, contact your Triatek® representative for a replacement unit. If you do not have a service agreement, contact [Service@triatek.com](mailto:Service@triatek.com).

### Patents

Patents: <https://jciapat.com>

### Software terms

Use of the software that is in (or constitutes) this product, or access to the cloud, or hosted services applicable to this product, if any, is subject to applicable end-user license, open-source software information and other terms set forth at [www.johnsoncontrols.com/techterms](http://www.johnsoncontrols.com/techterms). Your use of this product constitutes an agreement to such terms.

### Product warranty

This product is covered by a limited warranty. Contact your representative/branch for more details.

### Contact information

Contact your local Triatek representative

Contact Johnson Controls: [www.johnsoncontrols.com/contact-us](http://www.johnsoncontrols.com/contact-us)

Contact Support: Call (+1) 770-242-1922 or email [Service@Triatek.com](mailto:Service@Triatek.com)