

## Description

The CMS-2000 Central Monitoring Station provides instant monitoring for up to eight rooms or eight fume hoods, or a combination of rooms and hoods. Use the CMS-2000 at nurses' stations, 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. Users can access vital information on a single screen and quickly make informed decisions, and ensures their critical spaces are kept safe.

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

If a monitored parameter goes outside its prescribed range, the CMS-2000 activates an audible and visual alarm, that alerts staff to the alarm condition. The CMS-2000 features the patented 360° Safety Halo™ edge lighting, which enables staff to monitor spaces down long corridors with a simple glance. The green, yellow, and red visual alarms also help to reduce audible alarm fatigue, as you can silence the audible alarm with the tap of a finger.

## Features and benefits

Table 1: Features and benefits

Features	Benefits
Parameters	Monitors up to eight FMS-1655, Room Pressure Controllers, FMS-2000 Critical Environment Controllers or HMS-1655 Fume Hood controllers. No additional power is needed.
Protocols	BACnet MS/TP communication
Lighting	360° Safety Halo illuminated edge which helps staff monitor spaces down long corridors
Design	Intuitive user interface for fast and easy setup
Display	Thin, 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
Non-volatile memory	Saves user settings in case of a power outage
Password protection	Two access levels to prevent unauthorized access
Global release	Offers a user interface that is translated to 17 languages
Alarms	Visual and audible alarm for pressure
Demonstration Video	End user demonstration video accessible from the display

## Applications

- Airborne infection isolation (AII) rooms - negative pressure
- Protective environment (PE) isolation rooms - positive pressure
- AII and PE room with an anteroom
- Operating rooms (ORs)
- Compounding pharmacies
- Pandemic preparedness rooms
- 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

Table 2: Ordering Guide

Feature	Code letter or number and description	Product code number example: CMS2-T
Brand	Titus	N/A
Unit	CMS = Central Monitoring System	CMS
Series	2000	2
Mounting style	T = Thin mount for shallow wall cavities S = Surface mount Note: Surface mount is only available for CMS-1655 RMA replacement	T, S

## Technical specifications

Table 3: 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. No additional power is needed
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. Surface mount for CMS-1655 RMA only.
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		Powered by nearest monitored FMS or HMS controller
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) Surface mount: 1.17 in (29.72 mm)
Compliance  	United States	UL Listed to UL 61010-1; FCC 47CFR Part 15
	Canada	cUL Listed to CAN/CSA C22.2 NO. 61010-1; ICES-003
	Europe	CE (EMC Directive) to EN 61326-1
	United Kingdom	
	Australia and New Zealand	RCM Mark (Australian Radiocommunications Act) to EN 61326-1

## 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 Titus representative for a replacement unit. If you do not have a service agreement, contact [tu@titus-hvac.com](mailto:tu@titus-hvac.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 for more details.

## Contact information

Contact your local Titus representative

Contact Support: Call (+1) 972-212-4800 or email [tu@titus-hvac.com](mailto:tu@titus-hvac.com)