

H-MOSS® Controls  
Adaptive Dual (Ultrasonic and Passive Infrared)  
Ceiling Sensors

Features

- Coverage 500 sq. ft. (180°), low voltage sensor
- Minimize the risk of false triggering; lights turning ON when the space is un-occupied. Offer the best performance for most applications
- Office White ABS enclosure blends with ceiling tile
- Red LED indicates passive infrared detection and Green LED indicates ultrasonic detection
- "Install and Forget" operation. Auto-adjusting adaptive technology eliminates manual adjustments

Ordering Information

Description	Device Color	UPC Number	Catalog Number
Low voltage sensor	Office White	783585392455	ATD500C

Listings

cULus listed to UL244A  
ASHRAE 90.1 compliant  
CEC Title 24 compliant

Specifications

Housing	Flame retardant UL 94 V-0 ABS
Lens	Polyethylene
Dimensions	1.5"H x 4.5"D
Mounting Height	8 to 12 feet

Performance

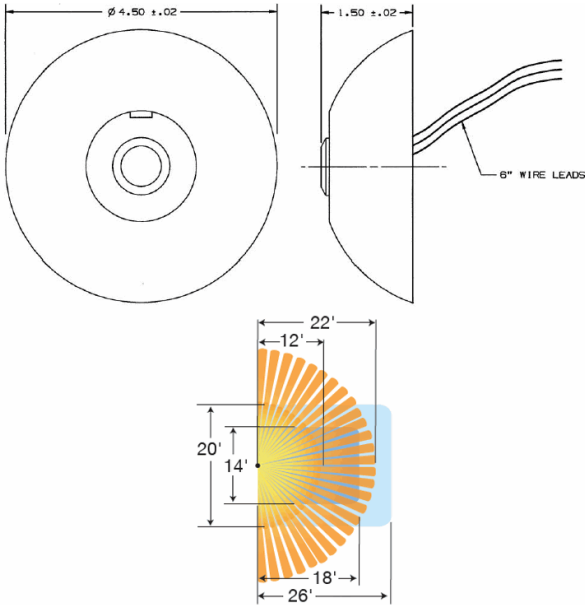
<b>Controls</b>	
Ambient Light	1 to 1000 foot candles
Sensitivity	Adaptive 0 to 100%
Time Delay	Test (8 seconds), adaptive 8 to 40 minutes

<b>Electrical</b>	
Power Requirements	24V DC nominal, 33mA from Hubbell CU series control unit

<b>Environmental</b>	
Operating Temperature	32°F to 104°F (0°C to 40°C) with rate of change not exceeding 20°F (11°C) per hour
Storage Temperature	-20°F to 150°F (-29°C to 65°C); 0% to 95% non-condensing relative humidity

<b>Sensing Indicators</b>	
Passive Infrared	Red LED
Ultrasonic	Green LED

HUBBELL



Complementary Products

Control Unit Auto-ON	CU300A
Control Unit Manual-ON	CU300M
Control Unit, HD, Latching, Auto/Manual-ON	CU300HD
Ceiling mount wire guard	ACMG
Ceiling mount raceway adapter	ACMRA

Online Resources

Customer Use Drawing  
eCatalog  
Installation Instructions

