

MAXX[™] Harsh Environments Sensing Devices



Extra Duty Energy Saving Controls for Extreme Temperature Environments



Eliminate Wasted Energy In Extreme Conditions

Typical energy efficiency controls are designed for indoor, clean, environmentally controlled areas. Hubbell created MAXX[™] to provide tough energy management controls for harsh and demanding environments where traditional products may not survive. Properly installed controls can lead to significant savings in these environments.

Wet and Damp

MAXX[™] sensors are designed for use in areas where there will be exposure to spray, wash down, moisture, and precipitation. Match the NEMA or IP rating to your application to ensure optimum performance.



Cold and Hot - Go to the Extreme!

MAXX[™] sensors and control packs provide an expanded operating temperature range from -40°F to 149°F (-40°C to 65°C). This supports cold storage, freezer, outdoor, and unconditioned spaces found in industrial environments.



Outdoor and Unconditioned

The AHP1600WRP and IP66 fixture mount MAXX[™] sensors are specifically UL rated for outdoor use. These units provide control solutions for exterior lighting, parking garages, loading docks and public rest rooms.



High and Reactive Loads

The CU300HD MAXX[™] control unit and the AAR20P auxiliary relay incorporates a high performance mechanical latching relay. This enables full 20A general purpose switching to support many types of lighting, motor, and plug loads.







MAXX[™] sensors come with different enclosure ratings and features to support a broad range of applications. Match the product specifications below to your requirements. Utilize units with isolated low voltage relays to signal occupancy or vacancy to HVAC and other automation systems.

- Internet	Enclosure Rating	Coverage	Mounting Style			
AHP1600WRP with HAP1	TYPE 4X / IP66 & Outdoor		Wall or Pendant 160° View			
	NEMA 4X	← 22' → ← 12' →	Ceiling Mount	High Bay L C = 1.4 @ 0	ens Covera 00–30 and 1	ge .1 @ 30–45 (FT)
			360° View	Height (H)	Radius (R)	Diameter (D)
				18	25.2	50.4
AHP1500CRP				20	28	56
with ACIPE				24	33.6	67.2
		<u>kk</u> _		28	39.2	78.4
			Eixturo or		42	84
			Junction Box		35.2	70.4
	NEMA 3R /		360° View		39.6	79.2
	IP65 &		Ontional	40	44	00 /
	Outdoor	H = 0' to 45'	Optional:	42	40.2	92.4
	High Bay		180°, Aisle, End-of-Aisle Views	Low Bay Lens Coverage 3:1 Ratio (FT)		ge
STATE SHE WAS AND SHE				Height	Radius	Diameter
	NEMA 3B /		Optional:		<u>(ח)</u> 24	48
	IP65 &	H H	180° Aisle	10	30	60
	Outdoor		End-of-Aisle	12	36	72
	Low Bay		Views	14	42	84
HBSATTS				16	48	96

Properly Mount and Position Sensors

MAXX[™] sensors utilize digital passive infrared (PIR) technology to sense human body heat in motion. These sensors need to have line of site to sense occupancy. For optimum performance, they must be mounted and positioned properly. Use the mounting adaptors where applicable and utilize multiple sensors with overlapping coverage for increased sensitivity.



3

MAXX[™] Harsh Environments Sensing Devices



Pendant Mount







Housing Design

• Multiple mounting kits for existing work boxes and hubs; pendant or wall mounting flexibility

IP66, TYPE 4X, outdoor rated

• Housing manufactured from

Protection

- Integrated lens guard protects against accidental damage
- Photocell makes sure lights stay OFF when there is sufficient daylight
- Isolated relay provides signalling to HVAC and ventilation systems

Access Cover

 Stainless steel hardware and settings access cover



Fixture Mount

Housing Design

- IP65, NEMA 3R watertight, and outdoor rated
- Fixture or work box mounting with 1/2" threaded nipple

Coverage and Electrical Ratings

- Digital passive infrared (PIR) sensor
- Two (upward/downward) photocells options for daylight harvesting
- Supplied with 360° lens; aisle, end-of-aisle and 180° lenses available separately
- -40°F to 149°F (-40°C to 65°C) operating temperature range; compatible with CFL/LED and motor loads







AHP1500CRP with ACIPE



CU300HD



HBSXT13



TYPE 4X Outdoor, Passive Infrared Wall Mount Sensor

Description	Voltage	Catalog Number
PIR sensor, with isolated relay and photocell.	24V DC	AHP1600WRP
Adaptor plate for single gang FS boxes.	_	HAP1
Adaptor hub and nipple for Killark® NJ series boxes.	_	HAP2
Adaptor plate for Killark® NV series boxes.	_	HAP3
½" NPT threaded hub.	_	HAP4

Extreme Temperatures Passive Infrared Ceiling Mounted Sensor

Description	Voltage	Catalog Number
Sensor with isolated relay and photocell.	24V DC	AHP1500CRP
NEMA 4X enclosure.	—	ACIPE

Heavy Duty Control Unit

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed. Catalog Number Description Auto or manual ON operation, 100-277V AC, 50/60Hz CU300HD

	, ,		
Auto or Manual ON operation	, 100-277V AC 50/60Hz.	. Requires a CU300 series, heavy duty latching relay.	AAR20P

OPTIMYZER® Watertight High Bay and Low Bay End Mount PIR Sensors

<u> </u>			
Description	Voltage	Standard	0-10V Dimming
Single relay with photocell.	120-347V AC	HBSXT13	HBSXT13D
2 relays with photocell.	120-347V AC	HBSXT23	—
1 double pole relay with photocell.	208, 240V AC	HBSXT28	HBSXT28D
1 double pole relay with photocell.	480V AC	HBSXT48	HBSXT48D
Low voltage with photocell.	24V DC	HBSXT24	HBSXT24D

Note: 360° high bay lens included. Low bay lens options sold separately, see below for details.

Replacement Lenses

180° lens. Hi 360° lens. Hi	IBRLXT180	LBRLXT180
360° lens H		
	IBRLXT360	LBRLXT360
Aisle lens. H	IBRLXTA	LBRLXTA
End of aisle lens.	IBRLXTEA	LBRLXTEA

www.hubbell-wiring.com

