



PRODUCT GUIDE · APRIL 2026

# contrALS

THREE TIERS · ONE ECOSYSTEM · COMPLETE CONTROL

From simple occupancy sensing to enterprise-grade networked lighting control — energy savings, code compliance, and future-ready technology across three purpose-built platforms.

**30-60%**  
ENERGY SAVINGS

**3**  
PLATFORMS

**NLC**  
CODE-READY

**26**  
ACTIVE SKUS

## Bi-Level

Technology	PIR / Microwave
Protocol	Standalone Wired
DLC/NLC	No
Commissioning	IR Remote / DIP
Project Size	<5K sqft
Savings	30-40%

## by ACS

Technology	SigMesh BLE
Protocol	Networked BLE
DLC/NLC	Qualified
Commissioning	ACS by ALG App
Project Size	5K-250K sqft
Savings	40-50%

## by SILVAIR

Technology	BLE Mesh
Protocol	Enterprise NLC
DLC/NLC	Qualified
Commissioning	Silvaair App
Project Size	Enterprise
Savings	50-60%




— BI-LEVEL PLATFORM


# Essential Occupancy Sensing

Standalone wired PIR and microwave sensors. No networking. 30–40% savings for projects under 5,000 sqft.

● OCCUPANCY SENSORS — 11 SKUS

 **LDLL-E2/MSP/W** PIR | Eclipse-II · 10-15Vdc · 10FT IP65

 **MSM-HTI/08P1/BLS** MW | Icarus-III · IR Remote · 10-15Vdc · 13FT IP20

 **MSM-HTI/126P1/BLS** MW | Vanguard · IR Remote · 10-15Vdc · 13FT IP20

 **MSM-HTI/407/BLS** MW | Wire-In · DIP Switch · 120-277V · 20FT IP20

 **MSM-HTO/07P3/BLS** MW | Outdoor · IR Remote · 10-15Vdc · 49FT IP65

 **MSM-MTO/7D/BLS** MW | Euro DIP · DIP Switch · 10-15Vdc · 8FT IP20

 **MSM-SDI/54P1/BLS** MW | Lamp-holder · IR Remote · 10-15Vdc · 40FT IP20

 **MSP-HTI/08P1/BLS** PIR | Icarus-III · IR Remote · 10-15Vdc · 13FT IP20


 **MSP-HTO/07P3/BLS** PIR | Outdoor · IR Remote · 10-15Vdc · 39FT IP65

 **MSP-HTO/09P3/5D/BLS** PIR | 5-Dial · Remote/Dials · 10-15Vdc · 49FT IP65

 **MSP-HTO/09P3/BLS** PIR | Outdoor · IR Remote · 10-15Vdc · 49FT IP65

● IR REMOTES — 3 SKUS

 **RM-HT/03S** 3-Button Remote · IR · 2×AAA · 30FT IP20

 **RM-HT/05S** 5-Button Dimming · IR · 2×AAA · 40FT IP20

 **RM-HT/06S** LCD Full Config · IR · 2×AAA · 45FT IP20



COMPATIBLE LUMINAIRE FAMILIES

lampARCH · LLHB/Tiny-I · planoARCH · selectARCH · LV3P

— BY @CS · ARCH CONNECTED SYSTEMS

# DLC-Qualified Networked Controls

SigMesh Bluetooth · @CS by ALG App (iOS) · Up to 500 nodes · 40-50% savings

## • SENSORS — 4 SKUS

-  **MSP-SRI/8CM/HD/ACS** PIR Wide | Ceiling · BLE · 120-277V · 8FT IP20
-  **MSP-SRI/40CM/HD/ACS** PIR Wide | Ceiling · BLE · 120-277V · 40FT IP20
-  **MSP-SRI/903P1/ACS** PIR | Fixture · BLE · 12-24Vdc · 8FT IP20
-  **MSP-SRO/903PX/ACS** PIR | Outdoor · BLE · 12-24Vdc · 40FT IP65

## • CONTROLLERS — 3 SKUS

-  **MSX-CTI/903P1/ACS** BLE Controller · BLE · 12-24Vdc · 100FT IP20
-  **MSX-CTO/903PX/ACS** BLE Ctrl Outdoor · BLE · 12-24Vdc · 100FT IP65
-  **MSX-CTI/LV20/ACS** BLE Ctrl Line-V · BLE · 120-277V · 100FT IP20

## • WALL SWITCH — 1 SKU

-  **MSZ-KPI/50WM/ACS** Kinetic Switch · BLE · Battery-free · 100FT IP20



### @CS by ALG App

Scan to download on the App Store. Commission, configure, and manage your entire lighting network.

### DLC NLC QUALIFICATION

by @CS qualifies for 30-50% utility rebate offset on installed cost. Cloud management + energy analytics included.



— BY SILVAIR · ENTERPRISE

# Enterprise Bluetooth Mesh

Silvair-certified · Unlimited scalability · BMS integration via open APIs · 50–60% savings

## • NLC SENSORS — 7 SKUS

 **MSM-HTI/08P1/NLC** MW | Icarus-III · BLE · 12-24Vdc · 13FT IP20

 **MSM-HTI/126P1/NLC** MW | Vanguard · BLE · 12-24Vdc · 13FT IP20

 **MSM-SRI/903P1/NLC** BLE | Indoor · BLE · 12-24Vdc · 60FT IP20

 **MSM-SRO/903P3/NLC** BLE | Outdoor · BLE · 12-24Vdc · 65FT IP65

 **MSP-HTI/08P1/NLC** PIR | Icarus-III · BLE · 12-24Vdc · 13FT IP20

 **MSP-SRI/903P1/NLC** BLE | Indoor · BLE · 12-24Vdc · 65FT IP20

 **MSP-SRO/903P3/NLC** BLE | Outdoor · BLE · 12-24Vdc · 65FT IP65

## TECHNOLOGY PARTNER — SILVAIR

Silvair provides the Bluetooth mesh stack, commissioning tools, and cloud platform. Certified for interoperability with third-party BMS.



## SKU NAMING CONVENTION

<b>MSM-</b>	Microwave Sensor Module	MSM-HTI/08P1/BLS
<b>MSP-</b>	PIR Sensor (Passive Infrared)	MSP-SRI/903P1/ACS
<b>MSX-</b>	Controller / Transmitter	MSX-CTI/903P1/ACS
<b>MSZ-</b>	Wall Switch / Power Module	MSZ-KPI/50WM/ACS
<b>RM-</b>	Remote Controller (IR)	RM-HT/06S

Suffixes: /BLS = Bi-Level · /NLC = Silvair · /ACS = ACS

### 40-60%

ADDITIONAL SAVINGS  
Beyond LED conversion with controls

### ASHRAE

90.1 COMPLIANCE  
Controls mandated in most commercial

### DLC NLC

UTILITY REBATES  
30-50% installed cost offset



## ORDERING

# How to Specify controls

5-step specification guide for contractors, distributors, and ESCOs.

- 1 Identify vertical market and zone from cross-reference
- 2 Select platform tier for control complexity + code requirements
- 3 Choose indoor (I) or outdoor (O) based on IP rating needs
- 4 Specify detection: MSM = Microwave, MSP = PIR
- 5 Add platform suffix: /BLS, /NLC, or /ACS

## Ready to Specify?

Contact your ALG representative for datasheets and submittal packages.

PHONE

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EMAIL

[sales@archipelagolighting.com](mailto:sales@archipelagolighting.com)

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[www.archipelagolighting.com](http://www.archipelagolighting.com)

HEADQUARTERS

4615 State Street, Montclair, CA  
91763

— CONTROLS FOR DATA CENTER

## Data Center

Data centers demand reliable, energy-efficient lighting with granular zone control. Networked sensors reduce PUE while meeting ASHRAE 90.1 mandates for automatic shutoff.

### White Space / Server Halls

SILVAIR



MSM-SRI/903P1/NLC

Unlimited mesh scalability for high-density rack rows. BMS integration via SilvaIR APIs.

### NOC / Control Rooms

ACS



MSP-SRI/8CM/HD/ACS

Ceiling-mount PIR with wide-area detection. DLC NLC qualified. 8FT optimized.

### Gray Space / Mech Rooms

Bi-Level



MSM-HTI/407/BLS

Wire-in 120-277V microwave — no driver needed. DIP switch config.

### Corridors & Common Areas

Bi-Level



MSP-HTI/08P1/BLS

PIR sensor for standard ceilings. IR remote commissioning. 1-pin plug-and-play.



VERTICAL SOLUTIONS

## Data Center

Mission-Critical Environments



VERTICAL SOLUTIONS

# Warehouse

Logistics & Distribution


## — CONTROLS FOR WAREHOUSE

### Warehouse

High-bay aisles, loading docks, and staging areas demand extended detection range and IP65 ratings. Bi-Level standalone sensors deliver 30-40% savings with zero networking complexity.

#### High-Bay Racking Aisles


Bi-Level

 MSM-HTI/08P1/BLS

Microwave detects through racking obstructions. 13FT, IR remote adjustable.

#### Loading Docks


Bi-Level

 MSM-HT0/07P3/BLS

IP65 outdoor microwave, 49FT range. 3-pin outdoor connector.

#### Shipping & Staging


Bi-Level

 MSM-HTI/126P1/BLS

Vanguard wide-area pattern covers open staging zones.

#### Office & Break Rooms

ACS

 MSP-SRI/903P1/ACS

Networked PIR for interior zones. ACS by ALG App scheduling.


— CONTROLS FOR COLD STORAGE

## Cold Storage

Extreme temperatures and sealed environments require sensors rated -30°C to +60°C with microwave detection that works through frost and condensation.

### Walk-In Coolers & Freezers


Bi-Level

 MSM-HTI/407/BLS

Wire-in MW operates at -30°C. 120-277V direct — no driver to freeze.

### Processing Floor


Bi-Level

 MSM-HTI/08P1/BLS

MW unaffected by cold air currents. 13FT for standard cold rooms.

### Loading & Staging


Bi-Level

 MSM-HT0/07P3/BLS

IP65 for temperature transition zones. 49FT MW range.

### Office & Admin

Bi-Level

 MSP-HTI/08P1/BLS

PIR sensor for heated office areas adjacent to cold zones.



VERTICAL SOLUTIONS

## Cold Storage

Refrigerated & Frozen



VERTICAL SOLUTIONS

# Gov / Military

Federal & Defense

— CONTR@LS FOR GOV / MILITARY

## Gov / Military

BAA/TAA compliant enterprise-grade networked controls for centralized facility management and BMS integration across multi-building campuses.

### Federal Office Space

SILVAIR



MSP-SRI/903P1/NLC

Enterprise NLC with BMS integration. Unlimited scalability. 65FT range.

### Base Operations

SILVAIR



MSM-HTI/08P1/NLC

MW for secure spaces (no line-of-sight needed). Campus-wide Silvoir mesh.

### Secure / SCIF Areas

SILVAIR



MSM-SRI/903P1/NLC

BLE mesh with no WiFi dependency. 60FT indoor range.

### Perimeter & Exterior

SILVAIR



MSP-SR0/903P3/NLC

IP65 outdoor BLE mesh. 65FT for perimeter security lighting.


— CONTR@LS FOR EDUCATION

# Education

Classrooms, gymnasiums, and corridors need simple, reliable sensors that staff can manage without IT support. Bi-Level standalone requires zero networking.

## Classrooms


Bi-Level

 MSP-HTI/08P1/BLS

PIR for 10-13FT classrooms. IR remote for teacher-adjustable sensitivity.

## Gymnasiums & Auditoriums


Bi-Level

 MSM-HTI/126P1/BLS

Vanguard wide-area MW for large open spaces. Through-lens detection.

## Corridors & Stairwells

Bi-Level

 MSM-MT0/7D/BLS

Euro DIP MW for low ceilings. DIP switch — no remote needed.

## Parking & Campus

Bi-Level

 MSP-HT0/09P3/BLS

IP65 outdoor PIR, 49FT range. IR remote for security schedules.



VERTICAL SOLUTIONS

# Education

K-12 & Higher Ed



VERTICAL SOLUTIONS

# Healthcare

Hospitals & Clinical

## — CONTR@LS FOR HEALTHCARE

### Healthcare

Patient rooms, labs, and clean rooms demand networked control for nurse-station overrides, scheduling, and energy reporting across multi-wing campuses.

#### Patient Rooms

ACS



MSP-SRI/8CM/HD/ACS

Ceiling-mount PIR. ACS by ALG App for nurse-station scheduling. DLC NLC.

#### Labs & Pharmacies

ACS



MSP-SRI/903P1/ACS

Fixture-integrated PIR for clean environments. BLE mesh zone grouping.

#### Nurse Stations

ACS



MSZ-KPI/50WM/ACS

Kinetic wall switch — no batteries or wiring. Instant control.

#### Waiting & Admin

ACS



MSP-SRI/40CM/HD/ACS

40FT ceiling-mount for open-plan areas. Cloud analytics.


— CONTR@LS FOR HOSPITALITY

# Hospitality

Corridors, back-of-house, and parking need reliable sensing that operates silently and invisibly. Guest-facing areas require discreet integration.

## Guest Corridors


Bi-Level

 MSP-HTI/08P1/BLS

PIR for standard corridors. Silent operation. Compact 1-pin design.

## BOH / Kitchen & Laundry


Bi-Level

 MSM-MT0/7D/BLS

Euro DIP MW for low-ceiling service areas. DIP switch config.

## Parking Structures


Bi-Level

 MSM-HT0/07P3/BLS

IP65 outdoor MW, 49FT range. 3-pin for covered parking.

## Convention / Ballroom

ACS

 MSP-SRI/40CM/HD/ACS

40FT high-ceiling PIR. ACS by ALG App scheduling for events.



VERTICAL SOLUTIONS

# Hospitality

Hotels & Convention



VERTICAL SOLUTIONS

# Industrial

Manufacturing & Processing


## — CONTROLS FOR INDUSTRIAL

### Industrial

Production floors and maintenance bays need sensors that detect through airborne particulates. Microwave detection is the standard for industrial environments.

#### Production Floor


Bi-Level

 MSM-HTI/08P1/BLS

MW works through dust, steam, particulates. 13FT for industrial bays.

#### Raw Material Storage


Bi-Level

 MSM-HT0/07P3/BLS

IP65 MW for dusty/damp storage. 49FT range for high-bay racking.

#### Maintenance Bays


Bi-Level

 MSM-HTI/126P1/BLS

Vanguard wide-area for open bays. Unaffected by machinery heat.

#### QC Lab / Control Room

ACS

 MSP-SRI/8CM/HD/ACS

Ceiling-mount networked PIR for clean-room lab. DLC NLC qualified.



QUICK REFERENCE

# All Verticals

Platform + SKU at a Glance


## APPLICATION CROSS-REFERENCE

### Vertical Summary


Top 2 zones per vertical with recommended platform and SKU.

#### Data Center

White Space / Server SILVAIR

 MSM-SRI/903P1/NLC

NOC / Control Rooms ACS


 MSP-SRI/8CM/HD/ACS

#### Warehouse

High-Bay Racking Ais BI-Level


 MSM-HTI/08P1/BLS

Loading Docks BI-Level


 MSM-HT0/07P3/BLS

#### Cold Storage

Walk-In Coolers & Fr BI-Level


 MSM-HTI/407/BLS

Processing Floor BI-Level

 MSM-HTI/08P1/BLS

#### Gov / Military

Federal Office Space SILVAIR


 MSM-SRI/903P1/NLC

Base Operations SILVAIR

 MSM-HTI/08P1/NLC

#### Education

Classrooms BI-Level


 MSP-HTI/08P1/BLS

Gymnasiums & Auditor BI-Level


 MSM-HTI/126P1/BLS

#### Healthcare

Patient Rooms ACS


 MSP-SRI/8CM/HD/ACS

Labs & Pharmacies ACS


 MSP-SRI/903P1/ACS

#### Hospitality

Guest Corridors BI-Level

 MSP-HTI/08P1/BLS

BOH / Kitchen & Laun BI-Level


 MSM-HT0/70/BLS

#### Industrial

Production Floor BI-Level

 MSM-HTI/08P1/BLS

Raw Material Storage BI-Level

 MSM-HT0/07P3/BLS