



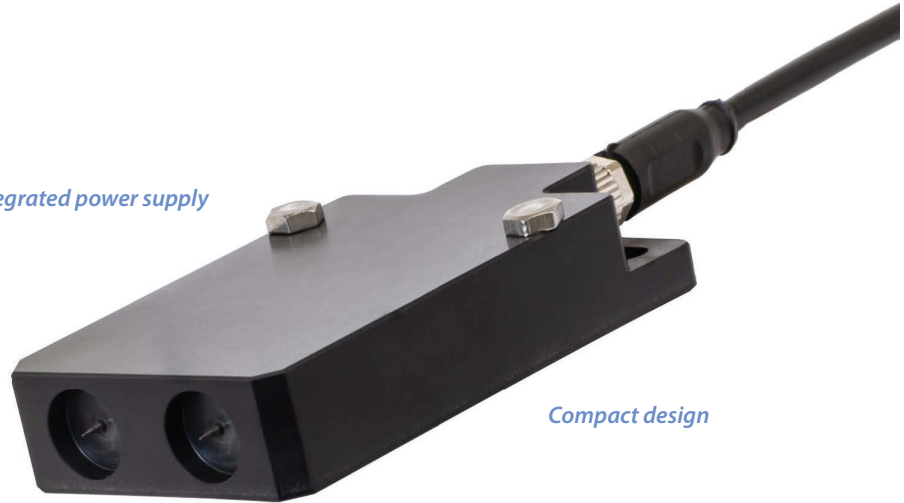
# Model 3024 Ultra Compact Dual Point

## Powerful Close-Range Ionization in Confined Spaces

### APPLICATIONS

- Shrink sleeves
- Narrow ribbons, tapes, and label webs
- Confined spaces

*Integrated power supply*



*Compact design*

### BENEFITS

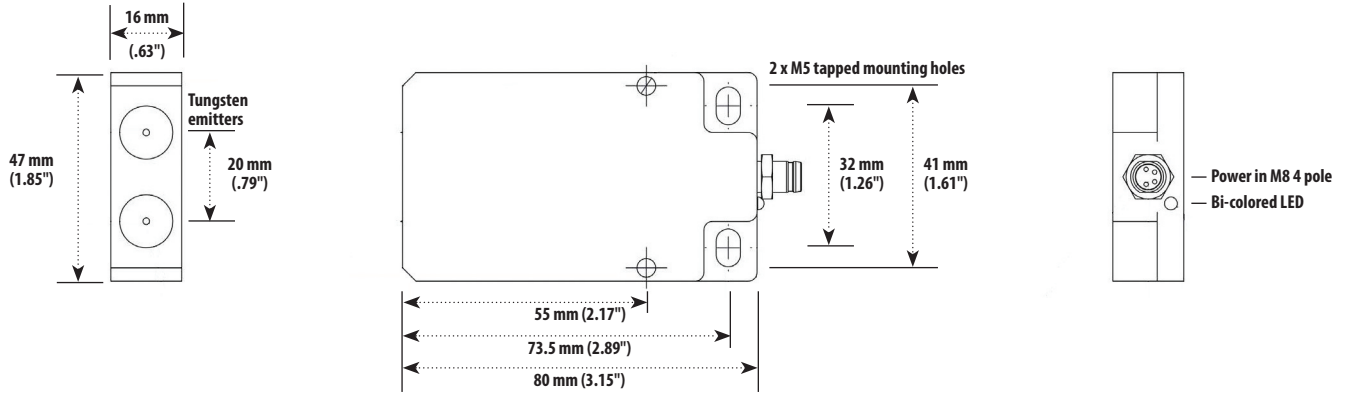
- Increase production speeds
- Increase profits
- Reduce rejects
- Reduce downtime
- Enhance product quality
- Enhance operator safety

The 3024 Ultra-Compact 24V DC close-range static eliminator is designed for use in high-performance machinery where space is at a minimum. Built-in high voltage electronics deliver powerful static elimination at close range to a substrate or other material. It is capable of delivering up to 7.5kV from a low voltage 24 V DC input. Pulsed DC high voltage provides excellent discharge elimination performance. Integrated mounting holes make it easy to install and retrofit to machines.

- Shockless, resistively coupled tungsten emitters for long life.
- Pulsed DC high voltage provides excellent discharge elimination performance.
- Ion balance suitable for most industrial applications.
- Ideal operating range 1"-2" (20-50 mm).
- Remote monitoring of operational status.
- LED status indication: Green = OK, Green/Red flashing = Attention required, Red = Fault, Red flashing = Standby.
- Standard M8 4-pin connector.
- Integrated high voltage electronics means no high voltage cables required.
- Protected against under-voltage, overload and reverse polarity.
- Easy to mount via integrated fixing holes.
- Combined with TAKK Model 5816 Air Gun to form an ionized air cleaning device.



# Specifications



**ELECTRICAL SUPPLY:** 24 V DC (21-28 V); Maximum current 0.25 A; M8 connector

**REMOTE MONITOR:** Uses 24 V supply to send signal to the PLC or other destination. Outputs compatible with IEC 61131-2 Type 3 PLC inputs. Signal protected against short circuit or mis-wiring.

**HIGH VOLTAGE SUPPLY:** +/-7 kV supply integrated inside loniser

**OPERATING DISTANCE:** 1"-2" (20-50 mm)

**CONSTRUCTION:** PVC body, epoxy resin encapsulant, tungsten emitter

**PROTECTION CLASSIFICATION:** IP67 Intrusion Ingress Protection

**ENVIRONMENT:** 32°F (0°C) to 130°F (55°C), 70% rH non-condensing

**CABLES:** 24V DC M8 cables – 9.5 ft (3m), 16 ft (5m), 32.5 ft (10m) lengths in straight or right angle option

**OPTIONS:** An external universal DC power supply can be ordered if 24V DC is not available. Input 100-250V AC, output 24V DC. Order# LR-3024-PSU

**WEIGHT:** 0.22 lbs (100 g)

**STANDARDS:** CE and UL

**MOUNTING:** Mounting onto the machine is achieved with fixing holes integrated into the product body. Can be combined with TAKK Model 5816 Air Gun to form an ionized air cleaning device.



EXPERT TECHNICAL ASSISTANCE • 2 YEAR LIMITED WARRANTY

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