



# 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

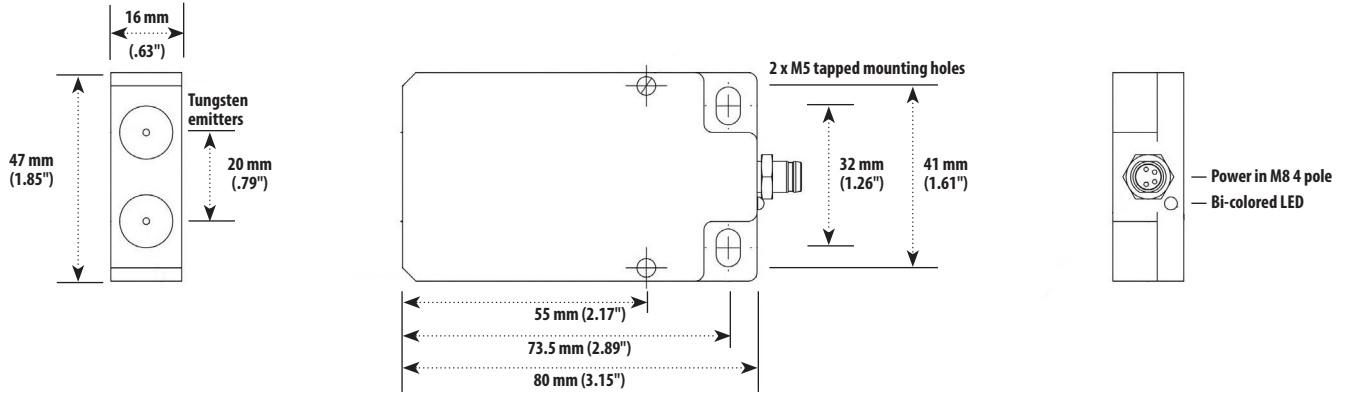
- Increase production speeds
- Increase profits
- Reduce rejects
- Reduce downtime
- Enhance product quality
- Enhance operator safety

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.

