



# ThunderION IQ 2.0



The ThunderION is a revolutionary development in both design and functionality. It offers long distance static elimination even up to one meter. The robust design of the reinforced extruded profile allows the use in industrial environment up to even 5 m length. The T-ridge on the backside of the ThunderION enables the user to position the Simco-Ion universal mounting brackets as desired, allowing optimal mounting flexibility.

The disc shaped emitters differ from the conventional emitters. They produce a high and balanced ion output. The emitters are shockless when accidentally touched. A flexible and replaceable structure prevents damage to the emitters when hit by foreign objects.

The ThunderION has an integrated high voltage power supply and requires only a low voltage input of 24V DC. The new concept for long range static neutralisation is achieved with a combination of pulsed DC and a low frequency.

LED's on four sides visualise bar ON or bar ALARM.

The totally new designed housing makes it very easy to clean the ThunderION. End brackets, middle support brackets, side plates and emitters can be easily removed to gain access to the whole surface for fast and accurate cleaning.

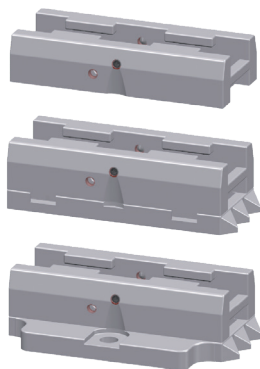
With certain production processes its necessary to neutralise static electricity at a very long distance, for example winding and rewinding of webs where the diameter of the re-windingsection changes continuously. With the ThunderION a new technique is being used were long range neutralisation is possible without air support as transport medium for the ions.

## Features

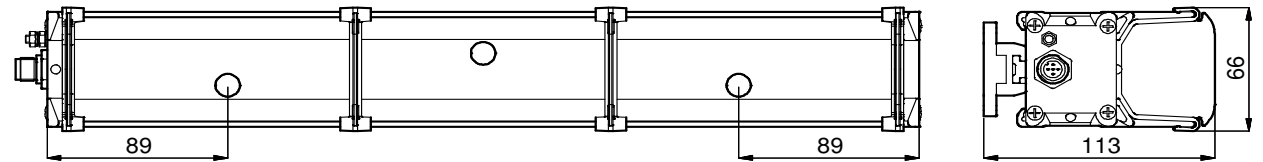
- + 24V DC input voltage
- + Long range neutralisation of static charges up to 1000 mm
- + Shockless touchable emitters
- + Flexible, replaceable emitter holders
- + Removable support brackets
- + Removable end brackets
- + Removable side plates
- + Visual indications with multicolour LED's on 4 sides
- + Universal mounting brackets
- + IQ for connection with IQ Easy platform
- + Patented technology

### Technical specifications

Working distance	300-1000 mm
Housing material	Plastic
Emitters	Special alloy
Cable	Low voltage cable
Weight	Base 0,8 kg + 2,4 kg/m
Ambient temperature	0-55 °C
Use circumstances	Industrial
Input power	24 V DC, <2 A
Protection classification	IP65
Suitable power unit	Intergrated, 24V DC voltage input
Indication	High bright LED green/orange/red
Signalling	Continuous Flashing Green In operation Standby Orange Warning Red Alarm
IO signals	Remote on/off; 10-30 V DC High voltage OK; Supply voltage -1V. Max 50 mA
Options	Desktop power supply (100-240 V / 24 V) Din rail power supply (100-240 V / 24 V) IQ version



Universal mounting brackets



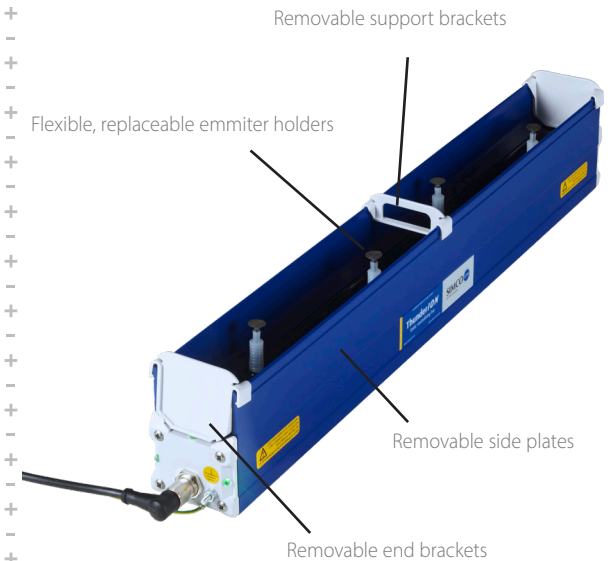
Technical drawing ThunderION IQ 2.0



ThunderION IQ 2.0 without support -and end brackets for easy cleaning



ThunderION IQ 2.0 without support brackets, end brackets and sideplates for easy cleaning



### Simco-Ion Netherlands

Postbus 71  
 Lochem, The Netherlands NL-7240 AB  
 Tel: +31 (0)573 288333  
 Fax: +31 (0)573 257319  
 general@simco-ion.nl  
 www.simco-ion.nl