

## IZT40/41/42, Bar Type Ionizer, Separate Controller and Power Supply Module IZT42-40E36HRP-3BU

Datasheet

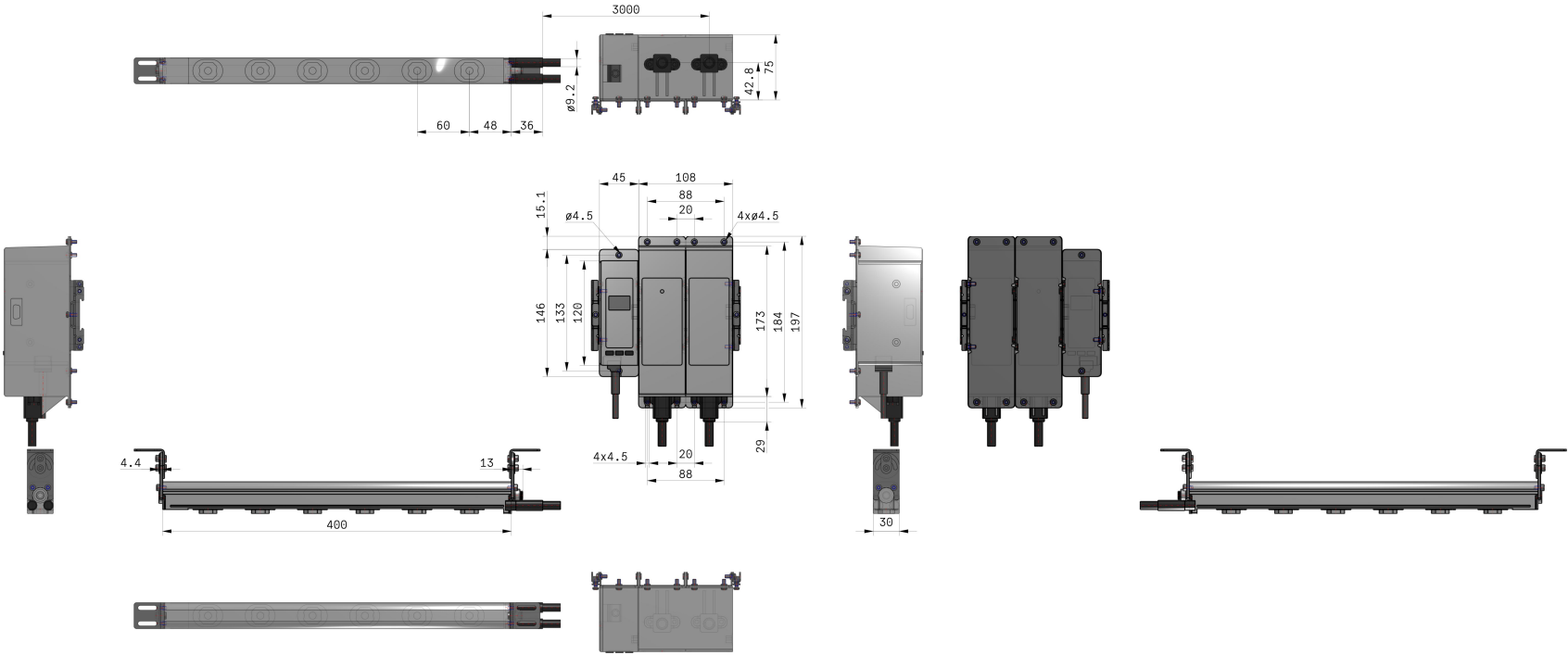
### General series information

- IZT40: Basic type / IZT41: AC type / IZT42: Dual AC type
- IZT41/IZT42: Compatible with IO-Link
- Potential amplitude: As low as 25 V or less
- Rapid neutralisation of static electricity: As fast as 0.1 s
- Compact: Height 37 mm x Width 30 mm
- One controller can control a maximum of 4 ionizers
- Monitor and operate bars which are installed in an inaccessible location
- Multiple alarms & functions.

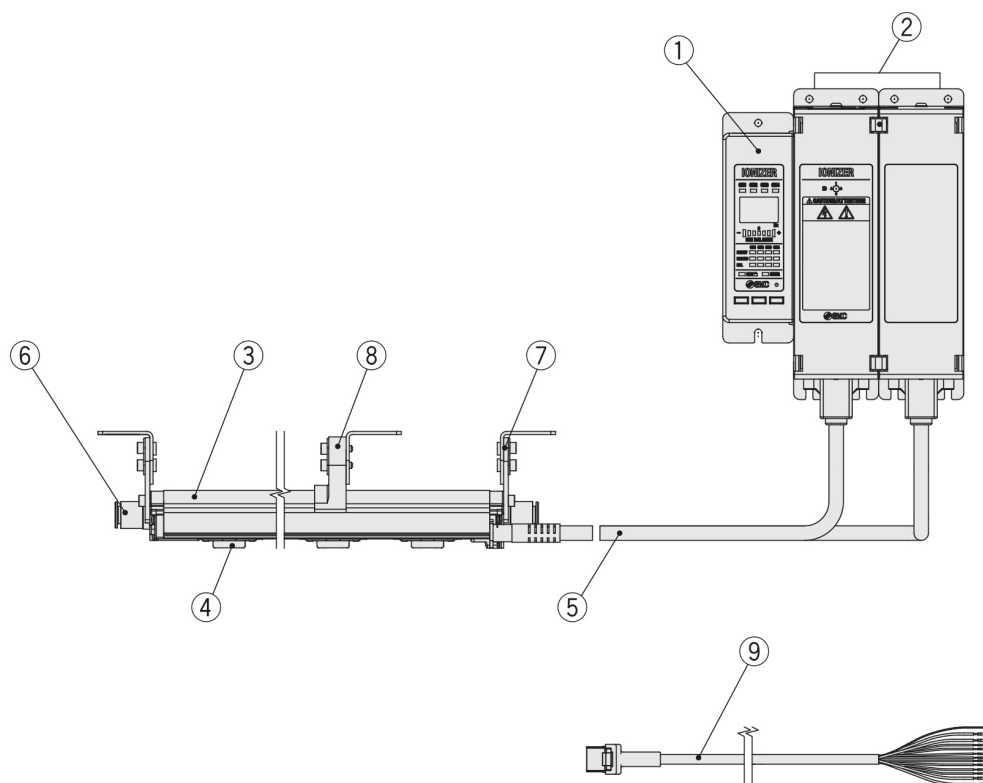
### Standard specifications

|                                                                   |                                                               |
|-------------------------------------------------------------------|---------------------------------------------------------------|
| Model                                                             | 42 (Dual AC)                                                  |
| Bar Length                                                        | 40 (400mm)                                                    |
| Emitter Cartridge, Material                                       | E (High Speed De-ionizing Cartridge, Silicon)                 |
| High-voltage Cable Length                                         | 3 (3m)                                                        |
| One-touch fitting                                                 | 6H (ø6 Straight)                                              |
| Plug Position                                                     | R (Opposite Side of High-voltage Cable)                       |
| Input/Output Specifications                                       | P (PNP)                                                       |
| Power Supply Cable Length                                         | 3 (3m)                                                        |
| Communication Cable Entry Direction/Length                        | None                                                          |
| Bar Bracket                                                       | B (w/Bracket 1)                                               |
| DIN Rail Bracket for Controller and <br>High-voltage Power Supply | U (Controller: Included; High-voltage Power Supply: Included) |
| Option                                                            | Standard                                                      |
| Maximum operating pressure                                        | 0.5 MPa or less                                               |
| Proof pressure                                                    | 0.7 MPa                                                       |

|                                          |                                                                                                                           |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Maximum ambient temperature              | 40 °C                                                                                                                     |
| Minimum ambient temperature              | 0 °C                                                                                                                      |
| Approvals                                | CE                                                                                                                        |
| Power supply                             | 24 VDC ±10%                                                                                                               |
| Current consumption                      | 1.4 A or less                                                                                                             |
| Material                                 | Cover: ABS, Emitter cartridge: PBT, Emitter: Tungsten or Single crystal silicon, High-voltage cable: Silicone rubber, PVC |
| Applicable fluid                         | Air (Clean dry air)                                                                                                       |
| Ion generation method                    | Corona discharge type                                                                                                     |
| Method of applying voltage               | Dual AC                                                                                                                   |
| Applied voltage                          | ±6000 V                                                                                                                   |
| Ambient humidity                         | 35 to 80%RH (No condensation)                                                                                             |
| Offset voltage                           | Within ±30 V                                                                                                              |
| Effective static neutralization distance | 50 to 2000 mm                                                                                                             |



## Constructions



| No. | Description                             |
|-----|-----------------------------------------|
| 1   | <b>Controller</b>                       |
| 2   | <b>High voltage power supply module</b> |
| 3   | <b>Bar</b>                              |
| 4   | <b>Emitter cartridge</b>                |
| 5   | <b>High voltage cable</b>               |
| 6   | <b>One-touch fitting</b>                |
| 7   | <b>End bracket</b>                      |
| 8   | <b>Intermediate bracket</b>             |
| 9   | <b>Power supply cable</b>               |

## Additional information

|                           |                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------|
| Catalogue                 | <a href="#">IZT40-41-42-43-D_EU.pdf</a>                                                   |
| Declaration of conformity | <a href="#">newDoC_Izt_TF122006EN.pdf</a><br><a href="#">newDoC_Izx_TFV0004EN.pdf</a>     |
| Installation manuals      | <a href="#">IM_Izt_x_TF2Z267EN.pdf</a>                                                    |
| Operation manuals         | <a href="#">OM_Izt-L_OMZ0045EN-A.pdf</a><br><a href="#">OM_Izt41-42-L_OMT0049EN-E.pdf</a> |