Explosion proof type Lighting Fittings

Explosion proof type Control Boxes

SEIWA offers industrial lighting products with high Japanese quality.

Updated fitting with a built-in terminal box that permits the use of the existing conduit

**Existing fitting**

- Lamp fitting, suspension pipe, and terminal box are approved as a package.

**Updated fitting**

- Lamp fitting with a built-in terminal box is approved.
  - The lamp fitting, suspension pipe, and terminal box are approved as a package.

Point to notice: The mains conduit need not be removed.

**Before**

- Removal of old fitting
- Installation of new fitting

**After**

- Installation completed

**Point to notice**

- The mains conduit need not be removed.
- Substantial reduction in replacement work cost and man-hours

**Point to notice**

- Increase in replacement work cost and man-hours
- See this mark on the inside pages of this brochure.

**Abroad lineup of terminal box built-in products for retrofitting!**

- Explosion proof type LED lighting fittings
  - LGAA / LGLA series

- Explosion proof type fluorescent lighting fittings
  - AGAC / TGAC series

For ordering or further information, contact us.
SEIWA occupies a leading position in the flameproof lighting fitting industry through many achievements in Japan and abroad. Since its foundation in 1945, SEIWA ELECTRIC MANUFACTURING Co., Ltd. has delivered industrial lighting fittings, road and tunnel lighting fittings, and street and landscape lighting fittings to many customers. Particularly in the factory/plant industrial lighting field, we have supplied flameproof lighting fittings suitable for any environment and conditions, enjoying a high reputation for the safety and reliability of our products in Japan and foreign countries. Also we were quick to enter into the optoelectronics field. We have succeeded in uniquely developing blue light emitting diodes. Today we have a mass production system for various LED devices and continue to expand the lineup of LED lighting fittings. SEIWA’s industrial lighting fittings, which are based on self-developed LED devices and manufactured by our integrated production system, are offering security and safety to enrich your daily lives.

History of SEIWA’s industrial lighting business

- The new LED factory building with LED facilities went into full-scale operation in April 2011.
- Developed barrier-free LED’s.*
- Introduced a lineup of LED lighting fittings series. Flameproof high-frequency fluorescent lighting fittings (NAP) received Chinese certification (CQC).11.
- CHANGSHU SEIWA ELECTRIC Co., Ltd. started the production and sale of Flameproof lighting products. Flameproof high-frequency fluorescent lighting fittings (AZAD) received Chinese certification (NEPS).
- Flameproof fluorescent lighting fittings and high-intensity discharge lighting fittings received Chinese certification (NEPS).
- Developed three-band white LEDs.
- Acquired ISO14001 certification.
- Started the sale of blue LEDs.
- Launched the world’s thinnest blue chip LEDs (surface-mount type).
- Introduced a lineup of Flameproof high-frequency lighting fittings series.
- Acquired ISO9001 certification.
- Introduced a lineup of IECC-compliant flameproof lighting products.
- The waterproof fluorescent lighting fittings factory was approved as a JS factory.
- Developed Flameproof fluorescent lighting fittings first in Japan.
- Delivered lighting fittings for the Kamon Tunnel (Japan’s first undersea tunnel).
- Developed increased-safety fluorescent lighting fittings first in Japan.
- Delivered waterproof fluorescent lighting fittings first in Japan and introduced the WaterGreen.
- Developed GM type sockets (waterproof type sockets). SEIWA ELECTRIC MANUFACTURING Co., Ltd. was established.

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Type of SEIWA products:

- Industrial lighting fittings
- LED products for lighting
- Information display systems
- Road/Tunnel lighting fittings
- Noise suppression products
- Cable protection products
- LED module products
- Social Systems
- Construction Systems
- Component

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*Annex: Sales of GM type sockets (waterproof type sockets)

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Head Office of SEIWA Electric Mfg. Co., Ltd.
**LED Lighting Fittings**

**Explosion proof type LED Lighting Fittings**
- Equivalent to an incandescent 100 W lamp
- Brightness equivalent to a 400 W mercury vapor lamp
- A solution to all problems inherent in existing products with incandescent lamps.

**LGAA series**
- LGAA100 (100 W type)
- LGAA200 (200 W type)

**LGLA series**
- LGLA100

**LZIA series**
- LZIA1980 (Separate Control Unit)
- LZIA3980 (Built-in Control Unit)

**LCTC 19181**

**Vaper Tight Type LED Lighting Fittings**
- Equivalent to an incandescent 100 W lamp for indoor inspection

**TGAC series**
- TGAC361

**AGAC series**
- AGAC412 (two 40 W lamps)
- AGAC512 (two 50 W lamps)

**Energy Efficiency**
- **Rated Voltage**: AC 100-240V
- **Frequency**: 50/60Hz
- **Power Consumption**: Energy saving, long life, mercury-free, free of UV/IF

**Explosion proof type Fluorescent Lighting Fittings**
- Provided with an inverter to ensure higher efficiency and save more energy than when a copper-iron ballast is used.

**TGAC series**
- Certified by the National Supervision and Inspection Centre for Explosion Protection and Safety of Instrumentation (NEPSI)

**AGAC series**
- Certified by the China National Quality Supervision and Test Centre for Explosion Protected Electrical Products (CQST)
Information in this brochure is as of May 2013. It is subject to change without notice.

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**Explosion proof type Control Boxes**

**AZAC series**
- AZAC-22 (two 430W Lamps)
- AZAC-32 (two 500W Lamps)

**AZEC series**
- AZEC-22 (two 430W Lamps)
- AZEC-32 (two 500W Lamps)

**EZC series**
- EZC-21 (two 430W Lamps)
- EZC-31 (two 500W Lamps)

**EZAD series**
- EZAD-22 (two 430W Lamps)
- EZAD-32 (two 500W Lamps)

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**Lighting Fittings**

**AZAC series**
- AZAC-22 (two 430W Lamps)
- AZAC-32 (two 500W Lamps)

**AZEC series**
- AZEC-22 (two 430W Lamps)
- AZEC-32 (two 500W Lamps)

**EZC series**
- EZC-21 (two 430W Lamps)
- EZC-31 (two 500W Lamps)

**EZAD series**
- EZAD-22 (two 430W Lamps)
- EZAD-32 (two 500W Lamps)

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**Explosion proof type Ceramic Metal Halide Lighting Fittings**

**SZAB series**
- SZAB-22 (two 430W Lamps)
- SZAB-32 (two 500W Lamps)

**NZAB series**
- NZAB-22 (two 430W Lamps)
- NZAB-32 (two 500W Lamps)

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**Explosion proof type High-Pressure Sodium Vapor Lighting Fittings**

**ANPA series**
- ANPA-22 (two 430W Lamps)
- ANPA-32 (two 500W Lamps)

**ANPB series**
- ANPB-22 (two 430W Lamps)
- ANPB-32 (two 500W Lamps)

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**Control Units for Control Box**

- Ammeter/ Frequency Meter
- Pushbutton Switch
- Pin Lock Pushbutton Switch
- Indicator
- Selector Switch
- Keyed Selector Switch
- Cam Switch
- Buzzer
- Variable Resistor
- Fail-safe Guard
- Fail-safe Cover (Switch Type)

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**Other Devices**

- Flameproof Type Plug Socket ZERA
- Flameproof Circuit Breaker Flameproof Motor Breaker ZBP-ZMBP
- Explosionproof Cable Gland ZCGS

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**SEIWA ELECTRIC MFG. CO., LTD.**

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