



Product Service

Attestation of Conformity

No. N8A 086894 0003 Rev. 02

Holder of Certificate: **ZHONGSHAN PROTOSTAR
optoelectronic Co.,Ltd**
No.6,Fuheng Dong Road, Yongxing Ind.Zone, Henglan Town
528478 Zhongshan,Guangdong
PEOPLE'S REPUBLIC OF CHINA

Product: **Electric insect killers / Equipment for
varmint protection
(Electric insect killer)**

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: 64110180050003

Date, 2021-02-19

(Darius Guo)

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After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



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Model(s):

Series I:

N12W-(19W) series:

JB20M-2X6W/50Hz, JB90B-2X6W/50Hz,
JB20C-2X6W/50Hz, JB20D-2X6W/50Hz,
JB20-2X6W/50Hz, JB40-2X6W/50Hz,
JX888-2X6W/50Hz, JB20A-2X6W/50Hz,
JB90-2X6W/50Hz, JB90M-2X6W/50Hz,
JB90D-2X6W/50Hz, SP100-2X6W/50Hz,
SP100A-2X6W/50Hz, N85A-2X6W/50Hz,
JR89-2X6W/50Hz, JR89A-2X6W/50Hz,
JS40-2X6W/50Hz, DK90-2X6W/50Hz,
DK90B-2X6W/50Hz, JB20E-2X6W/50Hz,
JB20B-2X6W/50Hz, JB20F-2X6W/50Hz

N16W-(23W) series:

JB20M-2X8W/50Hz, JB90B-2X8W/50Hz,
JB20C-2X8W/50Hz, JB20D-2X8W/50Hz,
JB20-2X8W/50Hz, JB40-2X8W/50Hz,
JX888-2X8W/50Hz, JB20A-2X8W/50Hz,
JB90-2X8W/50Hz, JB90M-2X8W/50Hz,
JB90D-2X8W/50Hz, SP100-2X8W/50Hz,
N85A-2X8W/50Hz, JR89-2X8W/50Hz,
JR89A-2X8W/50Hz, JS40-2X8W/50Hz,
DK90-2X8W/50Hz, DK90B-2X8W/50Hz,
JB20E-2X8W/50Hz, JB20B-2X8W/50Hz,
JB20F-2X8W/50Hz

N20W-(28W) series:

JB20M-2X10W/50Hz, JB90B-2X10W/50Hz,
JB20C-2X10W/50Hz, JB20D-2X10W/50Hz,
JB20-2X10W/50Hz, JB40-2X10W/50Hz,
JX888-2X10W/50Hz, JB20A-2X10W/50Hz,
JB90-2X10W/50Hz, JB90M-2X10W/50Hz,
JB90D-2X10W/50Hz, SP100-2X10W/50Hz,
N85A-2X10W/50Hz, JR89-2X10W/50Hz,
JR89A-2X10W/50Hz, JS40-2X10W/50Hz,
JA220D-2X10W/50Hz, JA220A-2X10W/50Hz,
DK90-2X10W/50Hz, DK90B-2X10W/50Hz,
B20P-2X10W/50Hz, B20E-2X10W/50Hz,
JB20E-2X10W/50Hz, JB20B-2X10W/50Hz,
B20C-2X10W/50Hz, JB20F-2X10W/50Hz

N30W-(39W) series:

JB20M-2X15W/50Hz, JB90B-2X15W/50Hz,
JB20C-2X15W/50Hz, JB20D-2X15W/50Hz,
JB20-2X15W/50Hz, JB40-2X15W/50Hz,
JX888-2X15W/50Hz, JB20A-2X15W/50Hz,
JB90-2X15W/50Hz, JB90M-2X15W/50Hz,
JB90D-2X15W/50Hz, SP100-2X15W/50Hz,
SP100A-2X15W/50Hz, N85A-2X15W/50Hz,
JR89-2X15W/50Hz, JR89A-2X15W/50Hz,

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JS40-2X15W/50Hz, JA220D-2X15W/50Hz,
JA220A-2X15W/50Hz, DK90-2X15W/50Hz,
DK90B-2X15W/50Hz, B20P-2X15W/50Hz,
B20E-2X15W/50Hz, JB20E-2X15W/50Hz,
JB20B-2X15W/50Hz, B20C-2X15W/50Hz,
JB20F-2X15W/50Hz

N40W-(43W) series:

JB20M-2X20W/50Hz, JB90B-2X20W/50Hz,
JB20C-2X20W/50Hz, JB20D-2X20W/50Hz,
JB20-2X20W/50Hz, JB40-2X20W/50Hz,
JX888-2X20W/50Hz, JB20A-2X20W/50Hz,
JB90-2X20W/50Hz, JB90M-2X20W/50Hz,
JB90D-2X20W/50Hz, SP100-2X20W/50Hz,
SP100A-2X20W/50Hz, N85A-2X20W/50Hz,
JR89-2X20W/50Hz, JR89A-2X20W/50Hz,
JS40-2X20W/50Hz, JA220D-2X20W/50Hz,
JA220A-2X20W/50Hz, DK90-2X20W/50Hz,
DK90B-2X20W/50Hz, B20P-2X20W/50Hz,
B20E-2X20W/50Hz, JB20E-2X20W/50Hz,
JB20B-2X20W/50Hz, B20C-2X20W/50Hz,
JB20F-2X20W/50Hz

Series II:

N12W-(19W) series:

JB20M-2X6W/60Hz, JB90B-2X6W/60Hz,
JB20C-2X6W/60Hz, JB20D-2X6W/60Hz,
JB20-2X6W/60Hz, JB40-2X6W/60Hz,
JX888-2X6W/60Hz, JB20A-2X6W/60Hz,
JB90-2X6W/60Hz, JB90M-2X6W/60Hz,
JB90D-2X6W/60Hz, SP100-2X6W/60Hz,
SP100A-2X6W/60Hz, N85A-2X6W/60Hz,
JR89-2X6W/60Hz, JR89A-2X6W/60Hz,
JS40-2X6W/60Hz, DK90-2X6W/60Hz,
DK90B-2X6W/60Hz, JB20E-2X6W/60Hz,
JB20B-2X6W/60Hz, JB20F-2X6W/60Hz

N16W-(23W) series:

JB20M-2X8W/60Hz, JB90B-2X8W/60Hz,
JB20C-2X8W/60Hz, JB20D-2X8W/60Hz,
JB20-2X8W/60Hz, JB40-2X8W/60Hz,
JX888-2X8W/60Hz, JB20A-2X8W/60Hz,
JB90-2X8W/60Hz, JB90M-2X8W/60Hz,
JB90D-2X8W/60Hz, SP100-2X8W/60Hz,
N85A-2X8W/60Hz, JR89-2X8W/60Hz,
JR89A-2X8W/60Hz, JS40-2X8W/60Hz,
DK90-2X8W/60Hz, DK90B-2X8W/60Hz,
JB20E-2X8W/60Hz, JB20B-2X8W/60Hz,
JB20F-2X8W/60Hz

N20W-(28W) series:

JB20M-2X10W/60Hz, JB90B-2X10W/60Hz,

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JB20C-2X10W/60Hz, JB20D-2X10W/60Hz,
JB20-2X10W/60Hz, JB40-2X10W/60Hz,
JX888-2X10W/60Hz, JB20A-2X10W/60Hz,
JB90-2X10W/60Hz, JB90M-2X10W/60Hz,
JB90D-2X10W/60Hz, SP100-2X10W/60Hz,
N85A-2X10W/60Hz, JR89-2X10W/60Hz,
JR89A-2X10W/60Hz, JS40-2X10W/60Hz,
JA220D-2X10W/60Hz, JA220A-2X10W/60Hz,
DK90-2X10W/60Hz, DK90B-2X10W/60Hz,
B20P-2X10W/60Hz, B20E-2X10W/60Hz,
JB20E-2X10W/60Hz, JB20B-2X10W/60Hz,
B20C-2X10W/60Hz, JB20F-2X10W/60Hz

N30W-(39W) series:

JB20M-2X15W/60Hz, JB90B-2X15W/60Hz,
JB20C-2X15W/60Hz, JB20D-2X15W/60Hz,
JB20-2X15W/60Hz, JB40-2X15W/60Hz,
JX888-2X15W/60Hz, JB20A-2X15W/60Hz,
JB90-2X15W/60Hz, JB90M-2X15W/60Hz,
JB90D-2X15W/60Hz, SP100-2X15W/60Hz,
SP100A-2X15W/60Hz, N85A-2X15W/60Hz,
JR89-2X15W/60Hz, JR89A-2X15W/60Hz,
JS40-2X15W/60Hz, JA220D-2X15W/60Hz,
JA220A-2X15W/60Hz, DK90-2X15W/60Hz,
DK90B-2X15W/60Hz, B20P-2X15W/60Hz,
B20E-2X15W/60Hz, JB20E-2X15W/60Hz,
JB20B-2X15W/60Hz, B20C-2X15W/60Hz,
JB20F-2X15W/60Hz

N40W-(43W) series:

JB20M-2X20W/60Hz, JB90B-2X20W/60Hz,
JB20C-2X20W/60Hz, JB20D-2X20W/60Hz,
JB20-2X20W/60Hz, JB40-2X20W/60Hz,
JX888-2X20W/60Hz, JB20A-2X20W/60Hz,
JB90-2X20W/60Hz, JB90M-2X20W/60Hz,
JB90D-2X20W/60Hz, SP100-2X20W/60Hz,
SP100A-2X20W/60Hz, N85A-2X20W/60Hz,
JR89-2X20W/60Hz, JR89A-2X20W/60Hz,
JS40-2X20W/60Hz, JA220D-2X20W/60Hz,
JA220A-2X20W/60Hz, DK90-2X20W/60Hz,
DK90B-2X20W/60Hz, B20P-2X20W/60Hz,
B20E-2X20W/60Hz, JB20E-2X20W/60Hz,
JB20B-2X20W/60Hz, B20C-2X20W/60Hz,
JB20F-2X20W/60Hz

Series III:

N13W-(24W) series: JB90F-1*13W, JB20M-1*13W

N26W-(38W) series: JB90F-2*13W, JB20M-2*13W

N39W-(45W) series: JB90F-3*13W, JB20M-3*13W

Series IV:

N12W-(14W) series:

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JB20M-2X6W-50/60Hz, JB90B-2X6W-50/60Hz,
 JB20C-2X6W-50/60Hz, JB20D-2X6W-50/60Hz,
 JB20-2X6W-50/60Hz, JB40-2X6W-50/60Hz,
 JX888-2X6W-50/60Hz, JB20A-2X6W-50/60Hz,
 JB90-2X6W-50/60Hz, JB90M-2X6W-50/60Hz,
 JB90D-2X6W-50/60Hz, SP100-2X6W-50/60Hz,
 SP100A-2X6W-50/60Hz, N85A-2X6W-50/60Hz,
 JR89-2X6W-50/60Hz, JR89A-2X6W-50/60Hz,
 JS40-2X6W-50/60Hz, DK90-2X6W-50/60Hz,
 DK90B-2X6W-50/60Hz, JB20E-2X6W-50/60Hz,
 JB20B-2X6W-50/60Hz, JB20F-2X6W-50/60Hz
 N16W-(16W) series:
 JB20M-2X8W-50/60Hz, JB90B-2X8W-50/60Hz,
 JB20C-2X8W-50/60Hz, JB20D-2X8W-50/60Hz,
 JB20-2X8W-50/60Hz, JB40-2X8W-50/60Hz,
 JX888-2X8W-50/60Hz, JB20A-2X8W-50/60Hz,
 JB90-2X8W-50/60Hz, JB90M-2X8W-50/60Hz,
 JB90D-2X8W-50/60Hz, SP100-2X8W-50/60Hz,
 N85A-2X8W-50/60Hz, JR89-2X8W-50/60Hz,
 JR89A-2X8W-50/60Hz, JS40-2X8W-50/60Hz,
 DK90-2X8W-50/60Hz, DK90B-2X8W-50/60Hz,
 JB20E-2X8W-50/60Hz, JB20B-2X8W-50/60Hz,
 JB20F-2X8W-50/60Hz
 N20W-(20W) series:
 JB20M-2X10W-50/60Hz, JB90B-2X10W-50/60Hz,
 JB20C-2X10W-50/60Hz, JB20D-2X10W-50/60Hz,
 JB20-2X10W-50/60Hz, JB40-2X10W-50/60Hz,
 JX888-2X10W-50/60Hz, JB20A-2X10W-50/60Hz,
 JB90-2X10W-50/60Hz, JB90M-2X10W-50/60Hz,
 JB90D-2X10W-50/60Hz, SP100-2X10W-50/60Hz,
 N85A-2X10W-50/60Hz, JR89-2X10W-50/60Hz,
 JR89A-2X10W-50/60Hz, JS40-2X10W-50/60Hz,
 JA220D-2X10W-50/60Hz, JA220A-2X10W-50/60Hz,
 DK90-2X10W-50/60Hz, DK90B-2X10W-50/60Hz,
 B20E-2X10W-50/60Hz, B20P-2X10W-50/60Hz,
 JB20E-2X10W-50/60Hz, JB20B-2X10W-50/60Hz,
 B20C-2X10W-50/60Hz, JB20F-2X10W-50/60Hz
 N30W-(30W) series:
 JB20M-2X15W-50/60Hz, JB90B-2X15W-50/60Hz,
 JB20C-2X15W-50/60Hz, JB20D-2X15W-50/60Hz,
 JB20-2X15W-50/60Hz JB40-2X15W-50/60Hz,
 JX888-2X15W-50/60Hz, JB20A-2X15W-50/60Hz,
 JB90-2X15W-50/60Hz, JB90M-2X15W-50/60Hz,
 JB90D-2X15W-50/60Hz, SP100-2X15W-50/60Hz,
 SP100A-2X15W-50/60Hz, N85A-2X15W-50/60Hz,
 JR89-2X15W-50/60Hz, JR89A-2X15W-50/60Hz,
 JS40-2X15W-50/60Hz, JA220D-2X15W-50/60Hz,
 JA220A-2X15W-50/60Hz, DK90-2X15W-50/60Hz,

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DK90B-2X15W-50/60Hz, B20P-2X15W-50/60Hz,
 B20E-2X15W-50/60Hz, JB20E-2X15W-50/60Hz,
 JB20B-2X15W-50/60Hz, B20C-2X15W/50/60Hz,
 JB20F-2X15W-50/60Hz
 N40W-(38W) series:
 JB20M-2X20W-50/60Hz, JB90B-2X20W-50/60Hz,
 JB20C-2X20W-50/60Hz, JB20D-2X20W-50/60Hz,
 JB20-2X20W-50/60Hz, JB40-2X20W-50/60Hz,
 JX888-2X20W-50/60Hz, JB20A-2X20W-50/60Hz,
 JB90-2X20W-50/60Hz, JB90M-2X20W-50/60Hz,
 JB90D-2X20W-50/60Hz, SP100-2X20W-50/60Hz,
 SP100A-2X20W-50/60Hz, N85A-2X20W-50/60Hz,
 JR89-2X20W-50/60Hz, JR89A-2X20W-50/60Hz,
 JS40-2X20W-50/60Hz, JA220D-2X20W-50/60Hz,
 JA220A-2X20W-50/60Hz, DK90-2X20W-50/60Hz,
 DK90B-2X20W-50/60Hz, B20E-2X20W-50/60Hz,
 B20P-2X20W-50/60Hz, JB20E-2X20W-50/60Hz,
 JB20B-2X20W-50/60Hz, B20C-2X10W/50/60Hz,
 JB20F-2X20W-50/60Hz

Parameters:

Rated Voltage: 220-240V~
 Rated Frequency: 50Hz (Series I); 60Hz (Series II);
 50-60Hz (Series III, Series IV)

Rated Power: 19W(N12W-(19W) series);
 23W(N16W-(23W) series);
 28W(N20W-(28W) series);
 39W(N30W-(39W) series);
 43W(N40W-(43W) series);
 24W(N13W-(24W) series);
 38W(N26W-(38W) series);
 45W(N39W-(45W) series);
 14W(N12W-(14W) series);
 16W(N16W-(16W) series);
 20W(N20W-(20W) series);
 30W(N30W-(30W) series);
 38W(N40W-(38W) series)

Protection Class: I

Degree of Protection: IPX4 (SP100A-2X6W/50Hz,
 SP100A-2X15W/50Hz,
 SP100A-2X20W/50Hz,
 SP100A-2X6W/60Hz,
 SP100A-2X15W/60Hz,
 SP100A-2X20W/60Hz,
 B20P-2X10W/50Hz,
 B20P-2X15W/50Hz,
 B20P-2X20W/50Hz,
 B20P-2X10W/60Hz,
 B20P-2X15W/60Hz,
 B20P-2X20W/60Hz,
 B20P-2X10W-50/60Hz,

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B20P-2X15W-50/60Hz,
B20P-2X20W-50/60Hz)
IPX0(other models)

**Tested
according to:**

EN 60335-1:2012/A2:2019
EN 60335-2-59:2003/A11:2018
EN 62233:2008

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