### **ERRATUM**

## to the User's Manual of NBV series direct radiation UV-C germicidal lamps

In case of special version type germicidal lamps NBV 55, in User's Manual there are following changes:

#### 2. Technical data

Lamp type	NBV 55	
Supply voltage	230 V, 50 Hz	
Power consumption	55 W	
Type of the UV-C bulb	TUV 55 W or HNS 55 W	
Useful lifetime of the bulb	min. 8000 h	
UV-C irradiance at a 1m distance	2,9 W/ m2	
Protection class against electric shock		
Housing protection degree	IP 20	
Mode of operation	Continuous	
Dimensions [mm]		
Dome	960 x 85 x 135	
Wall lamp handle length	120	
Ceiling lamp extension arm length	500	
Mobile lamp stand height	1800	
Weight [kg]		
N type	3,4	
Stype	4,5	
P type	8,5	

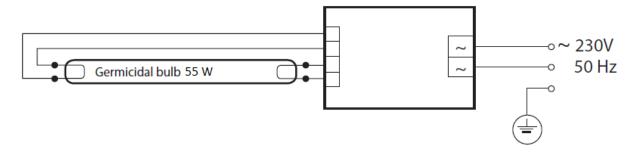
#### 5. Selection of the number of lamps for a particular room and working time

From the practical point of view, we may assume that a satisfactory microbiological purity level shall be obtained when using:

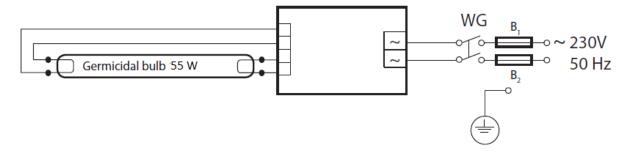
• a 55 W lamp for the area of up to  $18 \text{ m}^2$  in a 2.5 - 3 m high room, in room conditions.

#### 14. Circuit diagrams

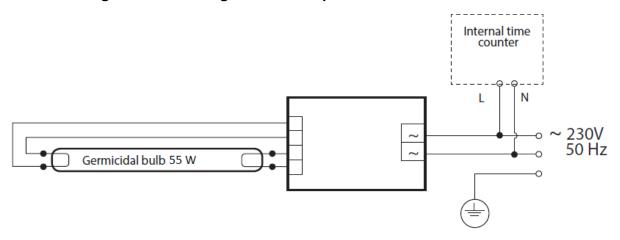
#### 14.1. Connection diagram of the NBV 55 N/S germicidal lamps



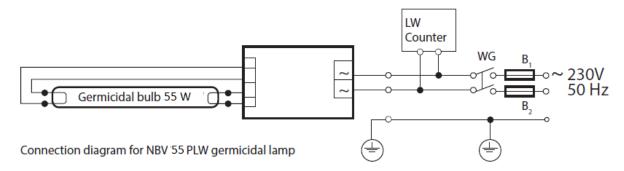
#### 14.2. Connection diagram of the NBV 55 P germicidal lamps



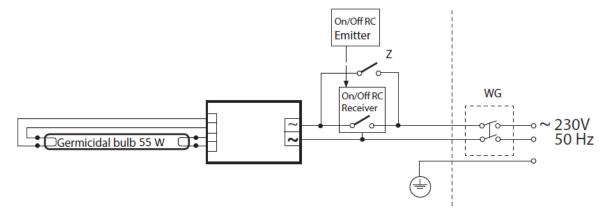
#### 14.5. Connection diagram of the NBV germicidal lamp with internal time counter



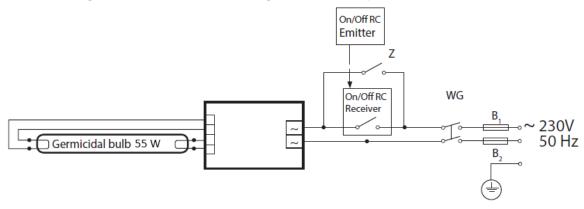
#### 14.6. Connection diagram of the NBV 55 P germicidal lamp with external time counter LW



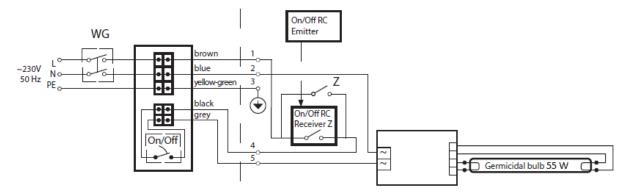
#### 14.7. Connection diagram of the NBV 55 N/S RC germicidal lamp



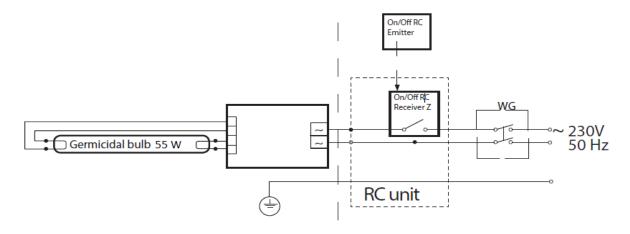
#### 14.8. Connection diagram of the NBV 55 P RC germicidal lamp



#### 14.9. Connection diagram of the NBV 55 S/N RC MD germicidal lamp



## 14.10. Connection diagram of the NBV 55 S/N germicidal lamp with external ON/OFF remote control unit





# DECLARATION OF CONFORMITY

The undersigned company:

ULTRA – VIOL Sp. j. Pietras Purgał Wójcik ul. Stępowizna 34; 95-100 Zgierz,



declares that the germicidal lamps, special version type:

NBV 55 N; NBV 3x30 P;

in realization:

N - wall mounted, S - ceilling mounted, P - on mobile stand

marked with **CE** mark, are electrical devices that conform the essential requirements stated in the following EC – Directives:

- 2014/35/EC (LVD),
- 2014/30/EC (EMC),
- 93/42/EEC and 2007/47/EC (some requirements).

The devices conform the harmonized European standards:

•	EN 60601-1	<b>Medical electrical equipment</b> Part 1: General requirements for basic safety and essential performance	
•	EN 60601-1-2	<b>Medical electrical equipment</b> – Part 1-2: General requirements for basic safety and essential performance – Collateral Standard: Electromagnetic disturbances – Requirements and tests	
•	EN 60598-1	Luminaires – Part 1: General requirements and tests	
•	EN 61547 Equipment for general lighting purposes - EMC immunity requirements		
•	EN 60529 Degrees of protection provided by enclosures (IP code)		

We declare with full responsibility that the products meet the requirements of the RoHS directive 2011/65/EU (including all its changes and amendments). Conformity assessment was carried out according to standard EN 50581.

Quality Management System of ULTRA-VIOL certified by TUV Nord meets requirements of:

 EN ISO 13485:2016 - Medical devices – Quality management systems – Requirements for regulatory purposes

04 - year of marking with CE mark

on behalf of ULTRA-VIOL Sp. j.

Wiesław Pietras GENERAL MANAGER

Zgierz, 5th November 2018