



# CERTIFICATE

№ EMC- 19- 000 - (2emc-19-080)- 047E

"CTEC" Ltd. certifies that

**Product**

**LCD EC FAN CONTROLLER**

**/external 2 fan/**

trade mark: **GSE**

model: *FC 15*

100-240 V AC; 50/60 Hz; Rated output: 12 V DC, 300mA; Class II

**Manufacturer**

**G-systems engineering OOD, Bulgaria**

11, Industrial zone, Sliven 8800

tel: +359 44 6675357

e-mail: [office@g-systems.eu](mailto:office@g-systems.eu)

**Complies with the**

standards

**EN 55014-1:2017** Electromagnetic compatibility (EMC)

Requirements for household appliances, electric tools and similar apparatus

Part 1: Emission - *cl.4, cl.5 - Mains terminal disturbance voltage;*

*Discontinuous disturbances and Disturbance power*

**EN 61000-3-2:2014** Electromagnetic compatibility (EMC)

Part 3-2: Limits – Limits for harmonic current emissions (equipment input current  $\leq 16$  A per phase)

**EN 61000-3-3:2013** Electromagnetic compatibility (EMC)

Part 3-3: Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current  $\leq 16$  A per phase and not subject to conditional connection

**EN 55014-2:2015** Electromagnetic compatibility (EMC)

Requirements for household appliances, electric tools and similar apparatus.

Part 2: Immunity - Product family standard

**EN 61000-4-2:2009** *Electromagnetic compatibility (EMC)*

*Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test*

**EN 61000-4-4:2012** *Electromagnetic compatibility (EMC)*

*Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test*

**EN 61000-4-5:2014** *Electromagnetic compatibility (EMC)*

*Part 4-5: Testing and measurement techniques - Surge immunity test*

**EN 61000-4-11:2004+A1:2017** *Electromagnetic compatibility (EMC)*

*Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests*

**Certificate has been issued on the base of**

Test reports:

№ 2emc-19-080/18.10.2019 № 2emc-e-19-080/18.10.2019

*The conformity Certificate is based on the evaluation testing of the above mentioned product and does not imply assessment of the production.*

Date of issue: 2019-10-18

Stara Zagora

Manager CTEC Ltd.

/dipl. eng. Blagovesta Shineva/

