

Description and operating manual SQER Digtimp

Instruction for installation: Microprocessor based SQER Digtimp

The SQER is intended for installation in control panels. The SQER must be installed so that it is protected against impermissible humidity and severe contamination.

In addition, make sure that the permitted ambient temperature is not exceeded.

The electrical connections must be made according to the relevant locally applicable regulations.

Signal lines (e.g. logic output) must be laid physically separate from control lines and main voltage supply cables (power cables) and must be shielded.

Spatial separation between SQER and inductive loads is recommended.

Interference from contactor coils must be suppressed by connecting adapted RC-combinations parallel to the coil. Control circuits (e.g. for contactors) should not be connected to the main power supply terminals of the SQER.

Button for setting the duty factor:

Setting of the desired »duty factor in % « to a higher or lower value.

Single steps with short-time actuation. Multiple steps with long-time actuation.

When the parameter adjustments have been altered but not entered with key »E«, the display will flash bright/dark.

For entering (memorising) the value, press button »E«.

The value is memorised in case the power supply fails.

Length of cycle: Changeable; 0,5...25Hz. (ex works: Length of cycle 1Hz)

Configuration of cycle length: Press button »E« for a longer time, »CY« then change the value to the desired new value; for entering (memorising) the value, please press button »E«.

Technical specifications: SQER Digtimp

power supply:

External 24 Volt DC or AC; +6% / -15%; 48...62Hz.
Reverse voltage protection included.

output:

a) Relay output: 1 closing contact: max. 4A
max. 230 Volt AC, resistive load, $\cos.\phi=1$

b) Logic output: 0 / 24 Volt DC bistable, protected against short circuit,
load max. 20mA

Possible values for the duty factor: 0...100%; Length of cycle 1Hz.
Changeable, for example for halogen light heatings.

setting:

Digital changeable 0...100 %

indicating device:

LED green, pulsing if the relay is on (OUT 1 and OUT 2)

Permissible operating conditions:

0...50°C / 32...122°F

climate class:

KWF DIN44040; equivalent = 75% rela. humidity, no condensation

electrical connection:

plug-connecting terminal, locked

case:

For installation in control panels, fixation by fasteners

DIN-format, size: 48 x 48 mm. Mounting depth: 120 mm.

material: Noryl SE1 GFN2 black, self-extinguishing / UL 94-V1

shock:

DIN 40046 IEC 68-2-29

general purpose:

in any order

weight:

about 125 gramm

Adress:
Gerhard P. Hirsch
www.g-tronic.com
Neuenhaus 14
42349 Wuppertal, Germany
Phone +49 202 472223
Fax +49 202 472292
info@gerhard-hirsch.com

