1. Product Description

The TSC5.8” display module has an illuminated monochrome LCD touch screen. This version is intended as a built-in model. The cover frame is available in white (TSC5.8/White), Black (TSC5.8/Black) or metal-color (TSC5.8/metal).

The highly user-friendly menu control allows to operate 96 outputs or view their status. There is a choice of 6 main menus (there are 8 big buttons on the main screen, but the two bottom ones are pre-set with “Set-up” and “Time” menu) and a random number of outputs can be programmed under each main menu. Each output may be a relay, dimmer, a thermostat (mode / temperature setting), an audio control (volume / source selection / on/off, mute,…), or a scene. Up to 8 outputs can be operated per screen (=submenu).

An UP/DOWN button allows you to access the next/previous 8 outputs. Depending on the selected output (relay, dimmer,...) an ON/OFF line or a line showing the % will show up at the right hand side of the screen. Pushing this line allows to change the status of the output. For the dimmers or audio-volume you can select the required percentage or slowly dim up/down. If a main menu only includes audio a submenu of all audio outputs in this menu will first be displayed. This allows to quickly change an audio setting.

A “CHECK STATUS” is provided. It displays an overview of all the active outputs. At the same time one can change their status.

By pushing the “Set-Up” button, 4 buttons will appear:
- Beeper: allows to turn a beeping sound when pushing a button on or off;
- Adjust touch: to recalibrate the screen;
- Positive / Negative: allows you to inverse the display colors (positive = white background with blue characters; negative = blue background);
- Cleaning Mode: pushing this, the screen will not react to any touch during 30 seconds; allows the screen to be cleaned.

A built-in temperature sensor also turns this touch screen into a thermostat so that no additional thermostat is needed in this room. It can be configured as any other thermostat (see TH101).

The timer (day/date/hour) can be continuously displayed. The background lighting automatically lights up for 30 secs when the screen is touched.

The touch screen can operate with just 2 wires (only the bus wires) but the bus load will then be of 150mA.

NEVER CONNECT OR DISCONNECT MODULES WHILE THE BUS IS ENERGIZED!

2. Safety Instructions

Read the complete manual before carrying out the installation and activating the system.

⚠️ WARNING
3. Mounting and wiring

**BUS WIRING:**

It is recommended to use cable with minimum 2 x 1mm² conductors as a bus lead. The green protected EIB wire is also allowed when the conductors are guided per 2 in order to obtain a section of minimum 2 x 1mm².

**IMPORTANT:** THE BUS CABLE SHOULD BE SHIELDED AND GROUNDED! THE GROUNDING SHOULD BE CONNECTED TO THE OVERALL GROUNDING OF THE BUILDING.

**TEMPERATURE SENSOR:**
Included into the touch screen. Can be programmed as any other thermostat.

**MOUNTING BOX:**
The touch screen should be mounted into the built-in box that can be ordered from GE too.

4. Technical Data

**GENERAL SPECIFICATIONS:**
- Power supply: bus connection or with external power supply 12Vac/1A – max protection 6A/2P
- Ambient temperature:
  - Working temp. range: 10°C to 50°C
  - Storage temp. range: -10°C to 60°C
- Maximum humidity: 93%, no moisture condensation
- Bus load: 150mA at nominal 13.8V
- Maximum installation altitude: 2,000m

**PHYSICAL SPECIFICATIONS:**
- Housing: Cover plate aluminium front
- Protection Degree: IP20, EN 60529
- Dimensions (HxL): 154mm x 196mm
- Built-in Box: 173mm x 138mm x 52mm
- Weight: approx. 0.570kg excl. cover plate – 0.670kg incl. cover plate

**ELECTRICAL SAFETY:**
- Bus: 13.8VDC safety extra low voltage (according EN 60950 – 1 : 2006)

**CE:**
- Complies with the EMC regulations and low voltage regulations. The device complies with HBES – EN 50090-2-2.

5. Dimension Diagram

Dimensions in mm.
6. **Grounding instructions.**

Grounding has to be carried out as demonstrated on the pictures. The shielding of the bus-cable and the frame grounding have to be connected correctly. Otherwise electric discharge can damage the TSC5.8”.

7. **Guarantee provisions**

   Period of guarantee: 2 years from date of delivery. Any faulty devices should be send postage-free with a description of the defect to our central customer service office:

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