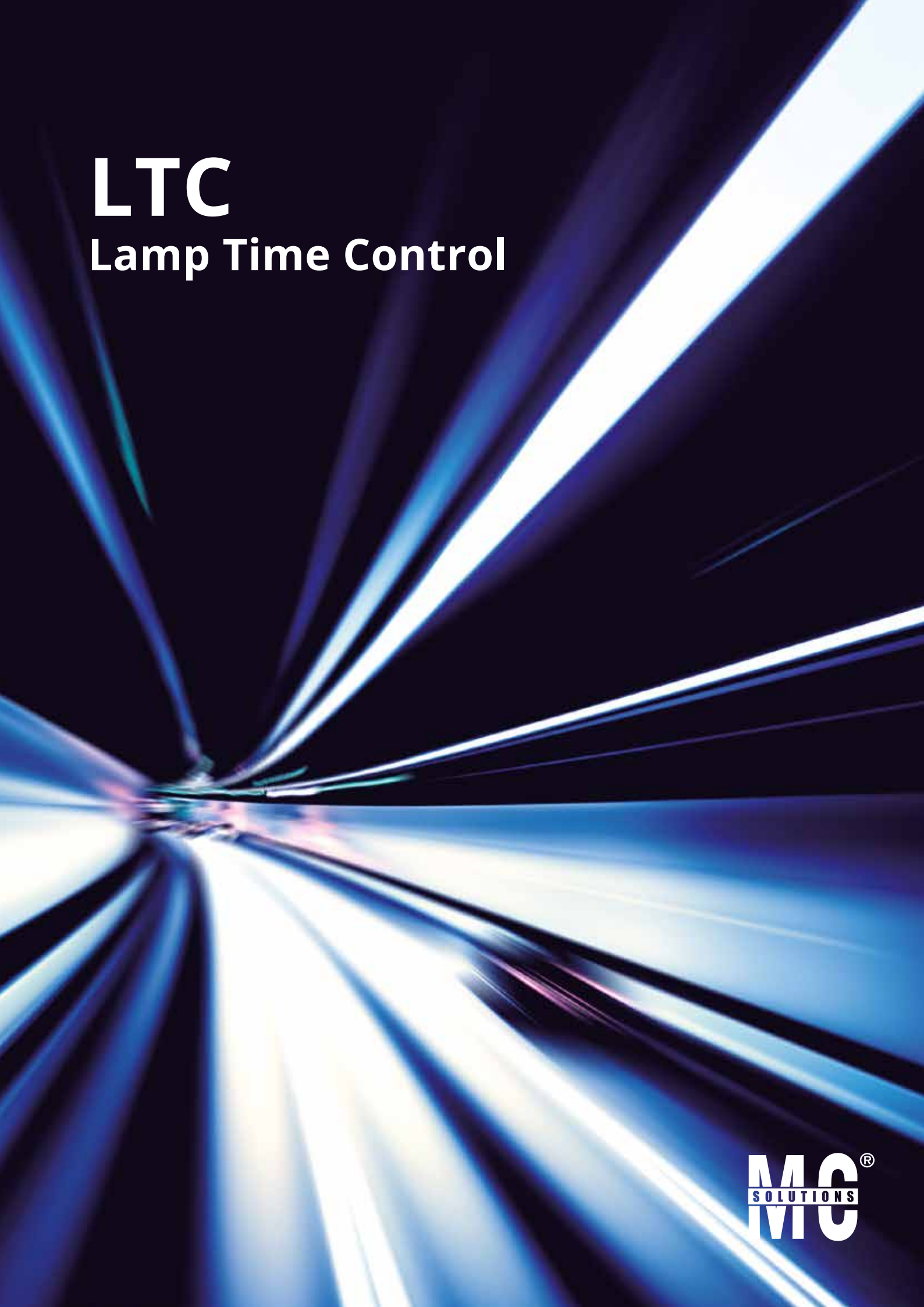
LTC
Lamp Time Control



LTC
Lamp Time Control

This device measures the response time with which the system, both hardware and software, communicates to the operators the “burnt” lamp failure.

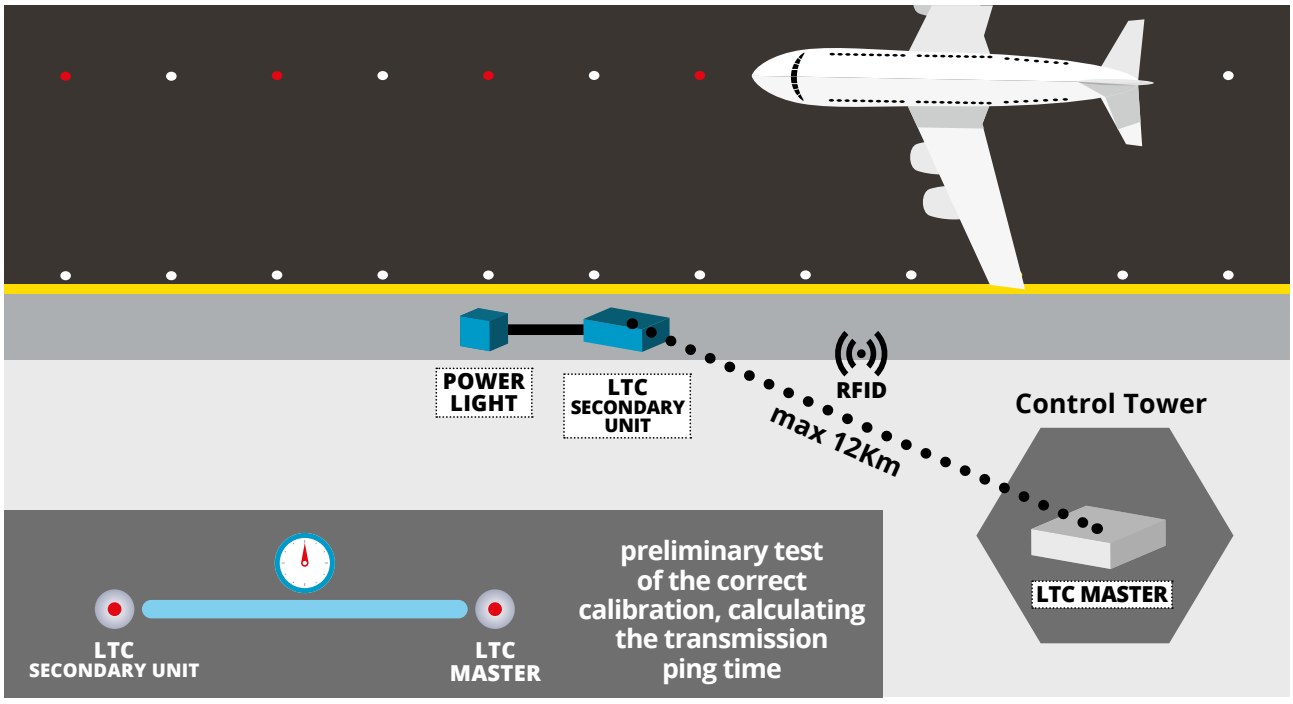
The instrument is made of a MASTER station and a SECONDARY UNIT station that are connected through a radiofrequency signal. The communication between the devices is carried out by means of a radio protocol that guarantees the communication up to 12Km, according to the selected antennas, between the ones supplied. The accuracy is 1-2 ms on 2 seconds. The MASTER station can be placed in Tower or in one of the substations and the SECONDARY UNIT unit is placed on field; LTC Secondary Unit is connected to Power Light device that, through standard FAA connector, is inserted between the monitoring module and the lamp, on which it is going to be checked the response time.

immune to human responsiveness

yearly calibration by a certified Body

accuracy 1-2 mS on 2 Secs

operation preliminary test of the instrument



LTC MASTER station is equipped with a device that during the burned lamp test detects the acoustic signal with a microphone. In that precise moment the recording stops and LTC MASTER issues the report.
The survey has a precision from 1 to 2 milliseconds with certification by an authorized Body.
At the end of the procedure LTC prints out a report.

The report certificates the surveyed timings in milliseconds and the instrument serial number, that cannot be modified.

PATENTED

LTC Components

LTC components are integrated and protected in housings that are purpose-built and placed inside the special aeronautical suitcase. This container is equipped with handles and safety locking system: the use of the measurement instrument does not require screws or the opening of fastening mechanisms that could be accidentally dispersed onto the ground.

Aeronautical suitcase with handles and screwless snap lock

LTC MASTER

- 1 display LCD 16 digits and 2 rows
- 1 potentiometer (Microphone sensitivity setting)
- ANT. (antenna connector)
- Nr. 5 push buttons: RES-ESC-TEST-START-STOP
- 9-pin male connector PRG (RTX channel programming)
- 9-pin female connector MIC (Microphone input sensor)
- Nr. 1 bar of 5 led:
  ON (switch on Led)
  TES (sending test procedure to Secondary Unit unit)
  TFB (test response from Secondary Unit unit)
  LOF (sending lamp OFF procedure)
  LFB (response from Secondary Unit to lamp OFF)

LTC PRINTER

- 1 charger connector
- 1 fuse
- 1 ON/OFF switch
- 1 integrated printer into the special aeronautical suitcase
- Printout on replaceable paper roll

LTC SECONDARY UNIT

- 1 LCD display 16 digits and 2 rows
- ANT. (antenna connector)
- CHARGE (Inside Battery Charger)
- ON (INIT push button connector)
- POWER LIGHT (connection device for LTC SECONDARY UNIT)
- Nr. 5 led:
  ON (switch on Led)
  TES (sending test procedure to Master station)
  TFB (test response from Master station)
  LOF (sending lamp OFF procedure)
  LFB (response from Secondary Unit to lamp OFF)

POWER LIGHT

- DATA (connector for LTC SECONDARY UNIT connection)
- Nr. 2 led: ON (switch on Led) - ACTIVE (Relay activation Led for “interrupted lamp circuit”)
- LAMP (FAA connector to the lamp to be checked)
- TR (transformer FAA connector coming from the module)

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