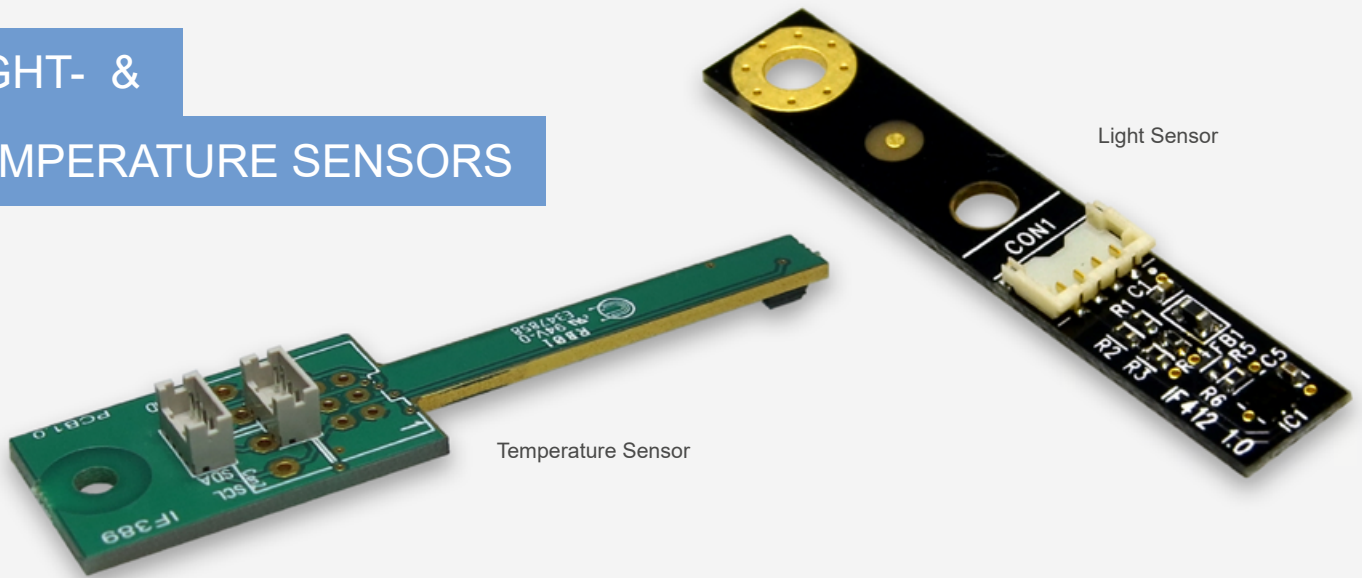


LIGHT- & TEMPERATURE SENSORS



COST SAVINGS & LIFETIME ENHANCEMENT FOR YOUR DISPLAY

Start **saving energy costs** by using your Chandler based A/D boards* with the Distec Light Sensor.

Depending on the location **you spend more than 50%** of each year in **suboptimal ambient lighting conditions** like darkness, overcast or rainy weather. This means either too much power consumption in case the backlight brightness is set to a fixed value or too dim display in bright sunlight.

The Light Sensor ensures **perfect brightness performance** in every environment and **saves energy costs** by reducing the backlight brightness in the right moment.

In addition the Distec Temperature Sensor can be added to your board for **monitoring** the allowed **operating temperature range**, which **prevents any damages** to your displays. Means **lower investments** for repairs or new displays because of **longer lifetime**.

FEATURES

LIGHT SENSOR

- Optimized curve to allow for a linear brightness change to the human eye
- Backlight is automatically controlled according to the surrounding light
- Improved readability by increased backlight brightness in bright environments & reduced light in darkness
- Management via OSD (curve, interval) & ChandlerRover
- Wide detection range from 0 to 65.535 lux
- Interface I²C (Power Supply: 1.7 to 3.6V)
- Plug & Play supported by standard FW

FEATURES

TEMPERATURE SENSOR

- Reduces backlight brightness if the temperature is too high
- Shut down if the temperature is too low
- Customized operating temperature limits via ChandlerRover
- Implemented hysteresis
- GPIOs to control fans or heaters
- Temperature control can be enabled & disabled via OSD
- Interface I²C (Power Supply: 1.7 to 3.6V)
- Plug & Play supported by standard FW



* Chandler based A/D boards: Artista-IoT, PrismaMINI-HDMI-DP, PrismaMINI-H, PrismaEco-eDP, PrismaMEDIA-Eco, PrismaEco-IV, PrismaCOMPACT-Media

BENEFITS

LIGHT SENSOR

- Savings on energy costs by perfect backlight performance
- Usable in a wide range of applications
- Plug & Play installation, fully automatic operation
- Customized adjustment of brightness curve & control period via ChandlerRover
- Increasing interest by better visibility
- Environmentally friendly because of lower power consumption

BENEFITS

TEMPERATURE SENSOR

- Usable in a wide range of applications
- No damages in cold or hot areas
- Investment savings for repairs or new devices
- Define your own controlled temperature range via ChandlerRover
- Built-in shutdown function outside the operating temperature range limits
- No start of the panel outside the specified operating temperature to prevent hardware damage

For more information visit: www.distec.de > [products](#) > [accessories](#) > [sensors](#)

OUR GLOBAL COMPETENCE CENTRES

Headquarters



FORTEC
ELEKTRONIK AG

FORTEC Elektronik AG
Lechwiesenstr. 9
86899 Landsberg am Lech
GERMANY

+49 8191 91172-0
sales@fortecag.de
fortecag.de

FORTEC Group Members



FORTEC
ELEKTRONIK AG

FORTEC Elektronik AG Office Vienna
Nuschinggasse 12
1230 Wien
AUSTRIA

+43 1 8673492-0
office@fortec.at
fortec.at



DISTEC
A FORTEC GROUP MEMBER

Distec GmbH
Augsburger Str. 2b
82110 Germering
GERMANY

+49 89 894363-0
info@distec.de
distec.de



ALTRAC
A FORTEC GROUP MEMBER

ALTRAC AG
Bahnhofstr. 3
5436 Würenlos
SWITZERLAND

+41 44 7446111
info@altrac.ch
altrac.ch



DISPLAY TECHNOLOGY
A FORTEC GROUP MEMBER

Display Technology Ltd.
5 The Oaks Business Village
Revenge Road, Lordswood
Chatham, Kent, ME5 8LF
UK

+44 1634 672755
info@displaytechnology.co.uk
displaytechnology.co.uk



APOLLO DISPLAY TECHNOLOGIES
A FORTEC GROUP MEMBER

Apollo Display Technologies, Corp.
87 Raynor Avenue Unit 1,
Ronkonkoma,
NY 11779
USA

+1 631 5804360
info@apolloDisplays.com
apolloDisplays.com