

# Altech Corp.®

Serving the Automation & Control Industry since 1984



**Mechanical  
Thermostat**



**Panel Light**



**Panel Filters**



## Altech Panel Accessories



# LED Panel Light APL-Series

- Energy efficient LED technology
- Long life
- Magnet or Screw mounting
- Daisy chain (up to 10 lights)
- Maintenance-free
- On/off switch or motion sensor
- Wide Voltage Range (AC or DC)
- Integrated power unit



## Technical Details

|                         |   |
|-------------------------|---|
| Power Consumption       | Max. 5W   |
| Luminosity              | 290Lm at 120° / 870Lm at 360° (equals 75W light bulb)                     |
| LED Type                | Angle of radiation 120°, light color: daylight, color temperature: 8,500k |
| Life Expectancy         | 60,000h at 68°F (20°C)  |
| Connection              | 2-pole connector with snap lock   |
| AC                      | Max. 2.5A / 240VAC, color: white connector                                |
| DC                      | Max. 2.5A / 60VDC, color: blue connector                                  |
| Housing                 | Plastic, transparent  |
| Operating Temperature   | -22° to 140°F (-30°C to 60°C)   |
| Operating Humidity      | Max. 80% RH (non-condensing)  |
| Protection Type / Class | IP20  |

## Attachment Method-Magnet

| Part No.     | Operating Voltage                                | Switch Type   | Weight       |
|--------------|--|---------------|--------------|
| APL-M120ACLS | 100-240VAC, 50/60Hz<br>(min. 90VAC, max. 265VAC) | on/off switch | 7oz (.44lbs) |
| APL-M24DCLS  | 24-48VDC<br>(min. 20VDC, max. 60VDC)             | on/off switch | 7oz (.44lbs) |
| APL-M120ACMS | 100-240VAC, 50/60Hz<br>(min. 90VAC, max. 265VAC) | motion sensor | 7oz (.44lbs) |
| APL-M24DCMS  | 24-48VDC<br>(min. 20VDC, max. 60VDC)             | motion sensor | 7oz (.44lbs) |

## Attachment Method-Screw

| Part No.     | Operating Voltage                                | Switch Type   | Weight       |
|--------------|--|---------------|--------------|
| APL-S120ACLS | 100-240VAC, 50/60Hz<br>(min. 90VAC, max. 265VAC) | on/off switch | 7oz (.44lbs) |
| APL-S24DCLS  | 24-48VDC<br>(min. 20VDC, max. 60VDC)             | on/off switch | 7oz (.44lbs) |
| APL-S120ACMS | 100-240VAC, 50/60Hz<br>(min. 90VAC, max. 265VAC) | motion sensor | 7oz (.44lbs) |
| APL-S24DCMS  | 24-48VDC<br>(min. 20VDC, max. 60VDC)             | motion sensor | 7oz (.44lbs) |





# Panel Filters



- Mounts Quickly and Easily - no mounting hardware required
- Low external Profile
- UV & Heat resisting Housing material
- Black or Grey Housing Color
- Filtering Class: G3 according to EN779
- Filtration Efficiency: 85% (DIN24185)
- Filter Mat included



## Exhaust Grills

| Part No.<br>Grey (RAL7035) | Part No.<br>Black (RAL9005) | Dust Retention<br>Capacity | Cutout<br>Dimensions | Outer<br>Dimensions |
|----------------------------|-----------------------------|----------------------------|----------------------|---------------------|
| AEG-1000G                  | AEG-1000B                   | 1.96oz/ft <sup>2</sup>     | 3.62"x3.62"          | 4.2"x4.2"x0.9"      |
| AEG-2000G                  | AEG-2000B                   | 1.96oz/ft <sup>2</sup>     | 4.92"x4.92"          | 5.9"x5.9"x1.1"      |
| AEG-3000G                  | AEG-3000B                   | 1.96oz/ft <sup>2</sup>     | 6.97"x6.97"          | 8.0"x8.0"x1.2"      |
| AEG-4000G                  | AEG-4000B                   | 1.96oz/ft <sup>2</sup>     | 8.78"x8.78"          | 9.8"x9.8"x1.3"      |
| AEG-5000G                  | AEG-5000B                   | 1.96oz/ft <sup>2</sup>     | 11.46"x11.46"        | 12.8"x12.8"x1.3"    |

## Filter Fans | 115VAC\*

| Part No.<br>Grey (RAL7035) | Part No.<br>Black (RAL7035) | Rated<br>Voltage | Rated Current<br>@ 50/60Hz | Power Usage<br>@ 50/ 60Hz | Max.<br>Airflow | Fan<br>Noise | Static<br>Pressure     | Cutout<br>Dimensions |
|----------------------------|-----------------------------|------------------|----------------------------|---------------------------|-----------------|--------------|------------------------|----------------------|
| AFF-1010G-120VAC           | AFF-1010B-120VAC            | 115VAC           | 0.11/ 0.09A                | 9/ 7W                     | 7/ 9CFM         | 33dB(A)      | 0.13inH <sub>2</sub> O | 3.62"x3.62"          |
| AFF-1020G-120VAC           | AFF-1020B-120VAC            | 115VAC           | 0.15/ 0.13A                | 12/ 10W                   | 13/ 15CFM       | 42dB(A)      | 0.23inH <sub>2</sub> O | 3.62"x3.62"          |
| AFF-2010G-120VAC           | AFF-2010B-120VAC            | 115VAC           | 0.20/ 0.18A                | 16/ 15W                   | 26/ 29CFM       | 49dB(A)      | 0.33inH <sub>2</sub> O | 4.92"x4.92"          |
| AFF-2020G-120VAC           | AFF-2020B-120VAC            | 115VAC           | 0.25/ 0.22A                | 19/ 17W                   | 39/ 46CFM       | 44dB(A)      | 0.35inH <sub>2</sub> O | 4.92"x4.92"          |
| AFF-3010G-120VAC           | AFF-3010B-120VAC            | 115VAC           | 0.21/ 0.20A                | 19/ 18W                   | 59/ 65CFM       | 49dB(A)      | 0.24inH <sub>2</sub> O | 6.97"x6.97"          |
| AFF-3020G-120VAC           | AFF-3020B-120VAC            | 115VAC           | 0.20/ 0.18A                | 16/ 15W                   | 65/ 76CFM       | 44dB(A)      | 0.40inH <sub>2</sub> O | 6.97"x6.97"          |
| AFF-4010G-120VAC           | AFF-4010B-120VAC            | 115VAC           | 0.21/ 0.21A                | 17/ 16W                   | 62/ 70CFM       | 49dB(A)      | 0.23inH <sub>2</sub> O | 8.78"x8.78"          |
| AFF-4020G-120VAC           | AFF-4020B-120VAC            | 115VAC           | 0.28/ 0.26A                | 31/ 26W                   | 133/ 169CFM     | 55dB(A)      | 0.84inH <sub>2</sub> O | 8.78"x8.78"          |
| AFF-5010G-120VAC           | AFF-5010B-120VAC            | 115VAC           | 0.68/ 0.73A                | 74/ 83W                   | 306/ 359CFM     | 69dB(A)      | 0.78inH <sub>2</sub> O | 11.46"x11.46"        |

\* 230VAC version available, please contact Altech for availability

## Filter Fans | 24VDC

| Part No.<br>Grey (RAL7035) | Part No.<br>Black (RAL7035) | Rated<br>Voltage | Rated<br>Current | Power<br>Usage | Max.<br>Airflow | Fan<br>Noise | Static<br>Pressure     | Cutout<br>Dimensions |
|----------------------------|-----------------------------|------------------|------------------|----------------|-----------------|--------------|------------------------|----------------------|
| AFF-1010G-24VDC            | AFF-1010B-24VDC             | 24VAC            | 0.09A            | 2W             | 9CFM            | 30dB(A)      | 0.11inH <sub>2</sub> O | 3.62"x3.62"          |
| AFF-1020G-24VDC            | AFF-1020B-24VDC             | 24VAC            | 0.61A            | 15W            | 29CFM           | 59dB(A)      | 0.64inH <sub>2</sub> O | 3.62"x3.62"          |
| AFF-2010G-24VDC            | AFF-2010B-24VDC             | 24VAC            | 0.31A            | 7W             | 27CFM           | 42dB(A)      | 0.23inH <sub>2</sub> O | 4.92"x4.92"          |
| AFF-3010G-24VDC            | AFF-3010B-24VDC             | 24VAC            | 0.34A            | 8W             | 60CFM           | 42dB(A)      | 0.24inH <sub>2</sub> O | 6.97"x6.97"          |
| AFF-4010G-24VDC            | AFF-4010B-24VDC             | 24VAC            | 0.32A            | 8W             | 82CFM           | 42dB(A)      | 0.25inH <sub>2</sub> O | 6.97"x6.97"          |
| AFF-4020G-24VDC            | AFF-4020B-24VDC             | 24VAC            | 0.71A            | 17W            | 132CFM          | 58dB(A)      | 0.26inH <sub>2</sub> O | 8.78"x8.78"          |



# Mechanical Thermostats

The APT Altech Mechanical Panel Thermostats are designed to control the air temperature inside of enclosures and control panels. They can be used for enclosure heaters, cooling equipment (e.g. filter fans), or signal devices.



- Adjustable Temperature Control
- Wide Adjustment Range
- Color Coded Dial (Red: Heating, Blue: Cooling)
- DIN Rail Mountable



The **Heating version** (red dial, NC) has closed contacts when the temperature is below the set point value and opens with rising temperature.

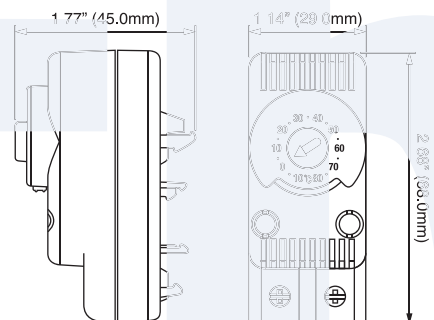
The **Cooling version** (blue dial, NO) has open contacts when the temperature is below the set point value and closes with rising temperature.

## Technical Details

|                             |   |
|-----------------------------|---|
| Rated Voltage               | 110 - 250 VAC   |
| Rated Current               | 10A   |
| Max. Rated Current          | 15A   |
| Hysteresis                  | +/-3K   |
| Differential                | -3°K NC version / +4°K NO version up to 5A / +7°K NC version > 5A |
| Lifetime                    | > 100,000 cycles  |
| Terminal Size Acceptability | 23 - 13 AWG (0.75 - 2.5mm <sup>2</sup> )                          |
| Protection Level            | IP20  |
| Enclosure Material          | PA66, UL94V-0   |
| Weight                      | 1.9oz. (54g)  |

## Mechanical Thermostats

| Part No. | Function | Contact | Temperature Scale | Setting Range |
|----------|----------|---------|-------------------|---------------|
| APT-HNCF | Heating  | NC      | Fahrenheit        | 14 - 176°F    |
| APT-CNOF | Cooling  | NO      | Fahrenheit        | 14 - 176°F    |
| APT-HNCC | Heating  | NC      | Celsius           | -10 - 80°C    |
| APT-CNOC | Cooling  | NO      | Celsius           | -10 - 80°C    |



Thermostat Dimensions

# Lighting Accessories

## Power cable with female connector



| Part No. | Length  | Volt. Type | Color                             |
|----------|---------|------------|-----------------------------------|
| APL-PCAC | 6.5 ft. | AC         | Connector: white;<br>Cable: white |
| APL-PCDC | 6.5 ft. | DC         | Connector: blue;<br>Cable: white  |

## Extension cable with 2 connectors for daisy chain



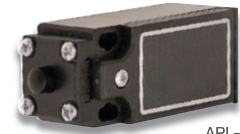
| Part No. | Length  | Volt. Type | Color                             |
|----------|---------|------------|-----------------------------------|
| APL-ECAC | 3.3 ft. | AC         | Connector: white;<br>Cable: white |
| APL-ECDC | 3.3 ft. | DC         | Connector: blue;<br>Cable: white  |

## Female / Male Connectors



| Part No. | Connector Type | Volt. Type | Color |
|----------|----------------|------------|-------|
| APL-FAC  | Female         | AC         | White |
| APL-MAC  | Male           | AC         | White |
| APL-FDC  | Female         | DC         | Blue  |
| APL-MDC  | Male           | DC         | Blue  |

## Door Limit Switch



| Part No. | Contact                           | Voltage Rating |
|----------|-----------------------------------|----------------|
| APL-DS   | NO / NC                           | 24-250 VAC/DC  |
| APL-SL   | Slide limit switch (Bar mounting) |                |

# Filter Fan Accessories

## Replacement Filter Mats



- Made of washable non-woven synthetic fibers
- Can be cleaned up to 10 times by washing or blowing dry
- Black or Grey Housing Color
- NEMA 12 or NEMA 3R Filter Class available
- Sold in kits of 6pcs

| Part No. | Filter Rating | Used with Filter Fan | Used with Exhaust Grill | Dimensions  |
|----------|---------------|----------------------|-------------------------|-------------|
| AFM-1012 | NEMA12        | AFF-10xx             | AEG-1000                | 3.3"x3.3"   |
| AFM-2012 | NEMA12        | AFF-20xx             | AEG-2000                | 4.6"x4.6"   |
| AFM-3012 | NEMA12        | AFF-30xx             | AEG-3000                | 6.6"x6.6"   |
| AFM-4012 | NEMA12        | AFF-40xx             | AEG-4000                | 8.5"x8.5"   |
| AFM-5012 | NEMA12        | AFF-50xx             | AEG-5000                | 11.1"x11.1" |



### Altech Search

- Home
- Stock Check
- Distributors
- Information
- News
- Contact
- Rep/Disti Login
- Altech Mexico

### WEB TOOLS

- Product Crossings
- Request for Quote
- Sample Request
- Catalog Request

### PRODUCT MENU

Circuit Protection / Control

Connectors

Enclosures

European Spare Parts

Digital Panel Meters

Foot Switches

Interface Modules

Power Supplies

Power Semi-Conductors

Programmable Controllers

Push Buttons & Pilot Lights

Relays

Sensors

Terminal Blocks

Tower Lights

Timers

Wire & Cable Management

Home

### New Products and Promotions

## Serving the Automation & Control Industry Since 1984

#### Circuit Protection



Circuit Protection Devices



Busbar and Power Distribution



Contactors, Overload Relays, Manual Motor Starters



Motor Disconnect Switches



European Fuses

#### Connectors



Industrial Rectangular Connectors



Pin & Sleeve Devices



Receptacles

#### Foot Switches



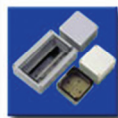
Foot Switches

#### Sensors



Inductive Proximity Sensors

#### Enclosures

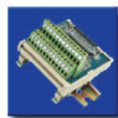


Industrial Enclosures



DIN Enclosures

#### Modules & Relays



Interface Modules



Safety Relays



Slimline Relays

#### Power Supplies



Power Supplies

#### Push Buttons



22 & 30 mm Push Buttons

#### DIN Rail



DIN Rail

#### Wire & Cable Management



Liquid Tight Strain Reliefs/Corrugated Tubes



Wire Duct

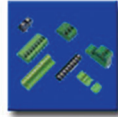
#### Terminal Blocks



Din Rail Terminal Blocks



Panel Mount Terminal Blocks



Printed Circuit Board Terminal Blocks



Eurostrips®



Distribution Blocks

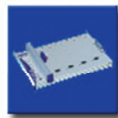
#### Miscellaneous



Ferrules



Custom Assembly



Marking & Engraving Systems



Altech Smart Relay



Tower Lights

Altech Corporation  
35 Royal Road  
Flemington, NJ 08822-6000  
P 908.806.9400 • F 908.806.9490  
www.altechcorp.com



Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «**JONHON**», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «**FORSTAR**».



## JONHON

«**JONHON**» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«**FORSTAR**» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: [ocean@oceanchips.ru](mailto:ocean@oceanchips.ru)

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А