

# E CONTROL DEVICES

Your Complete Solution partner for  
Electronic & Electrical Components +  
Shortages & Hard-to-Find Components



**MAJOR SERVING  
INDUSTRIES**

HOME  
APPLIANCES



INDUSTRIAL  
AUTOMATION



POWER  
ELECTRONICS



SOLAR

SECURITY



LIGHTING



MEDICAL



AUTOMOTIVE



TELECOM



## RELAYS



High Capacity (16A)  
High Sensitivity (250mW)

**G2RL**



Compact High Isolation  
Relay

**G5Q**



Slim, Low Profile  
Heavy Duty Relay

**G6RN**



MOS FET Relays

**G3VM**



DC High Voltage  
Emergency Shutoff

**G9E Series**



Compact single pole 3A  
(5A) high isolation Relay

**G5NB**



Miniature Relay  
For Signal Circuits

**G5V-2**



Sub-miniature Surface  
Mounting Relay

**G6K**



surface mounting with  
2.5 kv surge voltage

**G6S**



Switching Power  
(AC Side)  
**Power Relays**

**G7L**

## SWITCHES



Sealed Subminiature  
Basic Switches

**D2SW**



DIP Switches

**A6TN**



Dust Proof  
Ultra Subminiature  
Basic Switches

**D2FD**



Tactile Switches

**B3SL**



Tactile switches

**B3WN**

## CONNECTORS



Inside connections  
**DIN Connectors**

**XC4/5/6/7**



Inside connections  
**MIL Connectors**

**XG2 /4/5**

## SENSORS



Detecting At Seismic Intensity  
Level 5 Or Higher  
**Earthquake Sensor**  
D7S



[Human Body Sensors to  
Save Energy]  
Heat source detection  
**MEMS Thermal Sensors**  
D6T

Safeguarding your electrical  
distribution systems since 1911

- Eaton's Moeller series MCBs & RCDs
- Eaton's Bussmann series Fuses & Fusegears
- Distribution boards
- LV/MV Switchgears



PRESENTING  
Liquid Level Controller

The most efficiency device for optimal resource management



**Fieldwork**

- Fully automatic operation using both timing & flow continuously with a single device
- Adjustable sensitivity level from 1 to 200 liter
- Includes automatic flow control
- Protects against pipe bursting & prevents overflowing
- Enables instant isolation in case of water supply
- Specially designed sensor and valve isolated device to ensure perfect performance

**The Digital Astronomical Time Switch**  
YET ANOTHER INNOVATION FROM THE HOUSE OF GIG

- [illegible]



Crono®

can now be used for your  
Solar & Battery powered Applications



## Reliable and Efficient

SMPS



- Easy Board Load & Line Regulation
- High Noise Immunity & Low Ripple
- No Load Power Consumption of less than 0.5 W
- Overload & Short Circuit Protection
- High Efficiency of Operation
- Suitable for Temperatures up to 55°C
- Ease of Maintenance



- Universal inputs
- Configurable output combinations
- Fast reconfigurable logic, dedicated memory blocks & logic for task steering
- Single/Dual using FPGAs were often with 1 user interface
- Non-coding FPGAs with processor for soft real-time
- 50-400 components
- Reconfigurable user manual interface
- Rapid task pattern change feature
- 4 engines: control & task profile with power, failure & diagnosis modes
- 16 I/O processors
- 128, 512k memories

**Accurate | Reliable | Tamper-proof**

Presenting Hour Meter Series HM36  
with the wide application segments



- Wide supply voltage range  
40-100Vdc, 1-40 A, 100 W, 1000 Hz
- Frequency independent for 40-100Vdc
- Load voltage and current ratings increase  
for DC mode
- Fast response, 1000Vdc output in less  
than 10000 cycles of operation
- Conforms to MIL-STD-1553  
Interface to command, status and data
- Size 8 x 100mm (48 x 176)
- 1000Vdc, 100 A, 1000 Hz



# Panasonic

## PIR SENSORS

Lighting

Office lighting



High Ceiling lighting



Parking



PIR Tube



Security

Entrance & Exit Control



Approach sensor



Sensing Light



Appliances

Refrigerator



Air-conditioning



Air Cooler



Fan



Industrial usage

MFP



POP



Vending Machine



Air conditioner



## Wireless Connectivity: Bluetooth® Modules

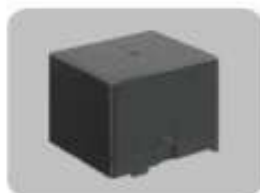


Ready-to-use Modules with Bluetooth Technology Built-In. Manufactured to handle a broad range of technologies, Panasonic's Bluetooth modules can be designed into various types of electronic devices. Features include:

- High Data Rates
- Seamless Transition from Bluetooth Classic to Bluetooth Low Energy
- Reduced Power Consumption (as low as 5mA)
- Rapid Connection and Disconnection

## High Capacity Power Relays For Solar Applications

| Relays      | Contact arrangement            | Max. switching current | Contact gap |
|-------------|--------------------------------|------------------------|-------------|
| LF-G Series | 1 Form A                       | 22/33 A                | 1.5/1.8 mm  |
| HE-PV       | 1 Form A                       | 35/48 A                | 2.5 mm      |
| HE-PV 90 A  | 1 Form A                       | 90 A                   | 3.0 mm      |
| HE-S        | 2 Form A<br>2 Form A, 1 Form B | 35 A                   | 3.2mm       |



**"3M Electronics Materials and Solutions...  
Enabling Next Generation Electronics"**

**3M Engineered Fluids for  
Cleaning, Coating and  
Reliability testing**



**3M Materials – Thermally Conductive Tapes,  
Pads and Grease and  
Electrically Conductive Tapes,  
ACF, Absorbers and Gaskets**



**3M Interconnects – Cables,  
Connectors and Cable Assemblies**



**3M Novec to replace HCFCs,  
TCE and a strong alternative to  
aqueous cleaning**



**3M Bumpons Protective Products**



Immersion cooling  
of power electronics  
with **3M™ Novec™**  
Engineered Fluids



Polyimide Tapes



VHB Tapes



Polyester Film Tapes



DST Tapes



ECATT Tapes



Aluminium Foil Tapes



Masking Tapes



PE-PU Foam Tapes



Air Venting Tapes



# Honeywell

DC1010/DC1020/DC1030/DC1040/ Compact type DIGITAL CONTROLLERS



Honeywell Limit Switches & Pressure/ Transmeter/ transducers/ flow meters & data loggers



Gas Detection system and combustion system Flame Relay, Burner Controller etc.





## Servo Motors/ Drives & Induction Motors



## Power Supply, Temp. Controller & Fans



## PLC/HMI/VFD C2000



## Ethernet Switches / convertors



## U Port 1110 RS-232 USB-to-serial converters/Connectors/ terminal block



## RFID Products



## OTHER PRODUCTS LINE UP

IGBT Modules & Power Modules | Renewable Energy Products | Integrated Circuits & Potentiometers



## STRONG LINES FOR HARD TO FIND & OBSOLETE COMPONENTS



# E CONTROL DEVICES



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